# City of San Diego

CONTRACTOR'S NAME:		
ADDRESS:		
TELEPHONE NO.:	FAX NO.:	
CITY CONTACT: DAMIAN SINGI	ETON, Email: dsingleton@sandiego.gov, Ph: 619-235-5272; Fax: 619-236-590	)4
D.VanMartin/NB	egz	

## CONTRACT DOCUMENTS



## **FOR**

# GOMPERS NEIGHBORHOOD PARK - CHILDREN'S PLAY AREA UPGRADES

VOLUME 1 OF 2

BID NO.:	K-13-5775-DBB-3	
SAP NO. (WBS/IO/CC):	S-11030	
CLIENT DEPARTMENT:	1714	
COUNCIL DISTRICT:	4	
PROJECT TYPE:	GE	
CDBG NO.:	B-12-MC-06-0542	

#### THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

- ➤ FEDERAL EQUAL OPPORTUNITY CONTRACTING REQUIREMENTS
- > PREVAILING WAGE RATES: FEDERAL
- ➤ APPRENTICE REQUIREMENTS
- > THIS IS A CDBG-FUNDED CONTRACT THROUGH THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)

#### **BID DUE DATE:**

2:00PM OCTOBER 31, 2012 CITY OF SAN DIEGO PUBLIC WORKS DEPARTMENT 1200 THIRD AVENUE, SUITE 200, MS 56P SAN DIEGO, CA 92101

## **ENGINEER OF WORK**

The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer/Architect:

No. C 54052 Exp. 12/31/13

No. C 54052 Exp. 12/31/13

CIVIL OF CALIFORNIA

Date

Seal:

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#### CITY OF SAN DIEGO, CALIFORNIA

#### NOTICE INVITING BIDS

- 1 RECEIPT AND OPENING OF BIDS: Bids will be received at the Public Works Contracting Group at the location, time, and date shown on the cover of these specifications for performing work on GOMPERS NEIGHBORHOOD PARK CHILDREN'S PLAY AREA UPGRADES (Project).
- **DESCRIPTION OF WORK:** The Work involves furnishing all labor, materials, equipment, services, and other incidental works and appurtenances for the construction of the Project as described below:

The Work proposes to provide for American with Disabilities Act/Title 24 upgrades and improvements to the children's play area and comfort station building at Gompers Neighborhood Park. This includes demolition, grading, paving, intallation of a new play area and play ground structures, renovation to the existing comfort station, and site accessibility improvements.

- **2.1** The Work shall be performed in accordance with:
  - **2.1.1** This Notice Inviting Bids and Plans numbered **36925-1-D** through **36925-18-D**, inclusive.

#### **3 SUBCONTRACTING PARTICIPATION PERCENTAGES:**

- 3.1 The City affirms that in any contract entered into pursuant to this advertisement, DBE will be afforded full opportunity to submit Bids in response to this invitation.
- 3.2 This Federally assisted project includes subcontracting participation percentages for DBE participation. See Notice Inviting Bids. DBE goal commitments and Good Faith Efforts (GFE) shall be made prior to bidding. DBE commitments and GFE made after the Bid opening will not be considered for the Award of Contract.
- 3.3 This project is subject to the federal equal opportunity regulations and the following requirements. The City reserves the right to audit the Contractor's compliance with the federal requirements set forth below.
- **3.4** Following are federally subcontracting participation percentages for this contract. For the purpose of achieving the subcontractor participation percentage, Additive or Deductive, and Type II Allowance Bid Items will not be included in the calculation.
- 3.5 Federal Emergency Management Agency, Department of Housing and Urban Development (HUD):

1.	Small Disadvantaged Business (SDB):	3%
2.	Women-Owned Small Business (WoSB):	5%
3.	HUBZone Small Business (HubZone):	3%
4.	Service Disabled Veteran-owned Small Business (SDVoSB):	3%

50/

#### 4 PRE-SUBMITTAL MEETING:

- There will be a Pre-Submittal Meeting to discuss the scope of the Project, bidding requirements, and Equal Opportunity Contracting Program requirements and reporting procedures in the Public Works Contracting Group, Conference Room at 1200 Third Avenue, Suite 200, San Diego, CA 92101 at 10:00 AM on OCTOBER 17, 2012.
- 4.2 The Pre-Submittal Meeting has been designated as MANDATORY. All potential bidders are required to attend. Bid will be declared non-responsive if the Bidder fails to attend the Pre-Submittal Meeting when specified to be mandatory. Attendance at the Pre-Submittal Meeting will be evidenced by the representative's signature on the attendance roster. It shall be the responsibility of the Bidder's representative to complete and sign the attendance roster. No Bidder will be admitted after the specified start time of the mandatory Pre-Submittal Meeting.
- 4.3 To request a copy of the agenda on an alternative format, or to request a sign language or oral interpreter for this meeting, call the Public Works Contracting Group at (619) 236-6000 at least 5 Working Days prior to the Pre-Submittal Meeting to ensure availability.
- 5 CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM: Prior to the Award of the Contract or each Task Order, you and your Subcontractors and Suppliers must register with the City's web-based contract compliance i.e., Prism® portal at: https://pro.prismcompliance.com/default.aspx.
- 6 **CONSTRUCTION COST:** The City's estimated construction cost for this contract is \$800,000.00.
- 7 **LOCATION OF WORK:** The location of the Work is as follows:

#### Gompers Neighborhood Park 4926 Hilltop Drive San Diego, CA 92102

- 8 **CONTRACT TIME:** The Contract Time for completion of the Work shall be **110 Working Days.**
- ONTRACTOR'S LICENSE CLASSIFICATION: In accordance with the provisions of California Law, the Contractor shall possess valid appropriate license(s) at the time that the Bid is submitted. Failure to possess the specified license(s) shall render the Bid as non-responsive and shall act as a bar to award of the Contract to any Bidder not possessing required license(s) at the time of Bid.
  - **9.1** The City has determined the following licensing classification for this contract:

#### CLASS A

WAGE RATES: Prevailing wages are not applicable to this contract <u>unless specified</u> otherwise on the cover page of these specifications or in the RFP and when the wages are <u>included in these specifications</u>; either by reference or physically. See Funding Agency Provisions that follow for more information.

#### 11 INSURANCE REQUIREMENTS:

- All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.
- **10.2** Refer to sections 7-3, "LIABILITY INSURANCE", and 7-4, "WORKERS' COMPENSATION INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

#### 12 PREQUALIFICATION OF CONTRACTORS:

12.1 Contractors submitting Bid or Proposal must be pre-qualified for the total amount proposed, inclusive of all alternate items or specified Task Order limits prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified will be deemed **non-responsive** and ineligible for award or a Task Order authorization. Complete information and prequalification questionnaires are available at:

http://www.sandiego.gov/engineering-cip/services/consultcontract/prequal.shtml

- The completed questionnaire, financial statement, and bond letter or a copy of the contractor's SLBE-ELBE certification and bond letter, must be submitted no later than 2 weeks prior to the bid opening to the Public Works Department Engineering & Capital Project, Prequalification Program, 1010 Second Avenue, Suite 1200, San Diego, CA 92101. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.
- **REFERENCE STANDARDS:** Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction ("The GREENBOOK")	2012	PITS070112-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")*	2012	PITS070112-02
City of San Diego Standard Drawings*	2012	PITS070112-03
Caltrans Standard Specifications	2010	PITS070112-04
Caltrans Standard Plans	2010	PITS070112-05
California MUTCD	2012	PITS070112-06

Title	Edition	Document Number
City Standard Drawings - Updates Approved For Use (when specified)*	Varies	Varies
Standard Federal Equal Employment Opportunity Construction Contract Specifications and the Equal Opportunity Clause Dated 09-11-84	1984	769023

NOTE: Available online under Engineering Documents and References at: <a href="http://www.sandiego.gov/engineering-cip">http://www.sandiego.gov/engineering-cip</a>.

- 14 CITY'S RESPONSES AND ADDENDA: The City at its option, may respond to any or all questions submitted in writing, via letter, or FAX in the form of an addendum. No oral comment shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addendum are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda on the form provided for this purpose in the Bid.
- 15 CITY'S RIGHTS RESERVED: The City reserves the right to cancel the Invitations to Bid at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Invitations to Bid shall be the sole responsibility of each bidder. The Invitations to Bid creates or imposes no obligation upon the City to enter a contract.
- **CONTRACT PRICING FORMAT:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth in the Bid Proposal Form(s), Volume 2 unless specified otherwise, such as as-needed contracts e.g., JOC in the Contract Documents.
- **SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.

#### 18 AWARD PROCESS:

- **18.1** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- 18.2 Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- 18.3 This contract will be deemed executed, and effective, only upon the signing of the Contract by the Mayor or designee of the City.
- SUBCONTRACT LIMITATIONS: The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The WHITEBOOK and as amended in the SSP which requires the Contractor to self perform the amount therein stipulated. Failure to comply with these requirements may render the Bid non-responsive and ineligible for award.

**AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <a href="http://www.sandiego.gov/engineering-cip/services/consultcontract/advertising.shtml">http://www.sandiego.gov/engineering-cip/services/consultcontract/advertising.shtml</a>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracting Group.

#### 21 QUESTIONS:

- 21.1 The Director (or designee), of the Public Works Department is the officer responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. All questions related to this procurement action shall be addressed to the Public Works Contracting Group, Attention Contract Specialist, 1200 Third Avenue, Suite 200, San Diego, California, 92101, and Telephone No. (619) 236-6000.
- **21.2** Questions received less than 14 days prior to the date for opening of Bids may not be answered.
- 21.3 Interpretations or clarifications considered necessary by the City in response to such questions will be issued by Addenda which will be uploaded to the City's online bidding service.
- 21.4 Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. It is the Bidder's responsibility to become informed of any Addenda that have been issued and to include all such information in its Bid.
- **ELIGIBLE BIDDERS:** No person, firm, or corporation shall be allowed to make, file, or be interested in **more** than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
- SAN DIEGO BUSINESS TAX CERTIFICATE: The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, first floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms with the Notice Inviting Bids and Contract forms.
- **PROPOSAL FORMS:** Bid shall be made only upon the Bidding Documents i.e., Proposal form attached to and forming a part of the specifications. The signature of each person signing shall be in longhand.
  - 24.1 Bidder shall complete and submit all pages in the "Bidding Document" Section (see Volume 2) as their Bid per the schedule given under "Required Documents Schedule," (see Volume 1). Bidder is requested to retain for their reference other portions of the Contract Documents that are not required to be submitted with the **Bid**. The entire specifications for the bid package do not need to be submitted with the bid.

- 24.2 The City may require any Bidder to furnish a statement of experience, financial responsibility, technical ability, equipment, and references.
- 24.3 Bids and certain other forms and documents as specified in the Volume 2 of 2 of the Contract Documents shall be enclosed in a sealed envelope and shall bear the title of the work and name of the Bidder and the appropriate State Contractors License designation which the Bidder holds.
- **24.4** Bids may be withdrawn by the Bidder prior to, but not after, the time fixed for opening of Bids.

#### 25 BIDDERS' GUARANTEE OF GOOD FAITH (BID SECURITY):

- 25.1 With the exception of the contracts valued \$5,000 or less, JOC and Design-Build contracts, and contracts subject to the Small and Local Business Program of \$250,000 or less e.g., ELBE contracts, each Bidder shall accompany its Bid with either a cashier's check upon some responsible bank, or a check upon such bank properly certified or an approved corporate surety bond payable to the City of San Diego, for an amount of not less than 10% of the aggregate sum of the Bid, which check or bond, and the monies represented thereby shall be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into such contract and furnish the required final bonds.
- 25.2 The Bidder agrees that in case of Bidder's refusal or failure to execute this contract and give required final bonds, the money represented by a cashier's or certified check shall remain the property of the City, and if the Bidder shall fail to execute this contract, the Surety agrees that it will pay to the City damages which the City may suffer by reason of such failure, not exceeding the sum of 10% of the amount of the Bid.
- **25.3** A Bid received without the specified bid security will be rejected as being **non-responsive**.

#### 26 AWARD OF CONTRACT OR REJECTION OF BIDS:

- **26.1** This contract may be awarded to the lowest responsible and reliable Bidder.
- **26.2** For Design-Build contracts, the award may not be solely based on price. Refer to the RFP for the selection and award details.
- **26.3** Bidders shall complete the entire Bid schedule (also referred to as "schedule of prices" or Proposal form). Incomplete price schedules will be rejected as being non-responsive.
- 26.4 The City reserves the right to reject any or all Bids, and to waive any informality or technicality in Bids received and any requirements of these specifications as to bidding procedure.
- 26.5 Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City from the Bidder within 3 Working Days, excluding Saturdays, Sundays, and state holidays, after the opening of Bids, of written notice which includes proof of honest, credible, clerical error of material nature, free from fraud or fraudulent intent, and of evidence that reasonable care was observed in the preparation of the Bid.

- 26.6 A non-selected Bidder may protest award of the Contract to the selected Bidder by submitting a written "Notice of Intent to Protest" including supporting documentation which shall be received by Public Works Contracting Group no later than 10 days after the City's announcement of the selected Bidder or no later than 10 days from the date that the City issues notice of designation of a Bidder as non-responsible in accordance with San Diego Municipal Code Chapter 2, § 22.3029, "Protests of Contract Award."
- 26.7 The City of San Diego will not discriminate with regard to race, religious creed, color, national origin, ancestry, physical handicap, marital status, sex or age, in the award of contracts.
- **26.8** Each Bid package properly executed as required by these specifications shall constitute a firm offer, which may be accepted by the City within the time specified in the Proposal.
- 26.9 The City reserves the right to evaluate all Bids and determine the lowest Bidder (or winner for Design-Build contracts) on the basis of any proposed alternates, additive items or options, at its discretion that will be disclosed in the Volume 2 of 2 (or RFP for the Design-Build contracts).

#### 27 BID RESULTS:

- 27.1 The Bid opening by the City shall constitute the public announcement of the Apparent Low Bidder (or Apparent Winner in case of Design-Build contracts). In the event that the Apparent Low Bidder (or Apparent Winner in case of Design-Build contracts) is subsequently deemed non-responsive or non-responsible, a public announcement will be posted in the City's web page: http://www.sandiego.gov/bids-contracts/, with the name of the newly designated Apparent Low Bidder (or Apparent Winner in case of Design-Build contracts).
- 27.2 To obtain Bid results, either attend Bid opening, review the results on the City's web site, or provide a self-addressed, stamped envelope, referencing Bid number, and Bid tabulation will be mailed to you upon verification of extensions. Bid results cannot be given over the telephone.

#### **28** THE CONTRACT:

- 28.1 The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 28.2 If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.

- 28.3 If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 28.4 For contracts that are not Design-Build, pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 28.5 The award of the Contract is contingent upon the satisfactory completion of the above mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.
- EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK: The Bidder shall examine carefully the Project Site, the Plans and Specifications, the JOC Unit Price Books if applicable, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid or JOC Task Order Proposal shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- **CITY STANDARD PROVISIONS.** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
  - **30.1** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
  - 30.2 The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
  - 30.3 The City of San Diego Municipal Code §22.3224 as amended 11/24/08 by ordinance O-19808 for Pledge of Compliance.
  - 30.4 The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776 (Stats. 1978, Ch. 1249).
  - **30.5** Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.

- **30.6** The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 30.7 The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

#### 31 PRE-AWARD ACTIVITIES:

- 31.1 The selected contractor by the City to execute a contract for this Work shall provide the information required within the time specified in "Required Documents," of this bid package. Failure to provide the information within the time specified may result in the Bid being rejected as **non-responsive.**
- 31.2 If the Bid is rejected as non-responsive, the selected contractor by the City to execute a contract for this Work shall forfeit the required Bid. The decision that the selected contractor by the City to execute a contract for this Work is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

#### 32 REQUIRED DOCUMENT SCHEDULE:

- 32.1 The Bidder's attention is directed to the City's Municipal Code §22.0807(e), (3)-(5) for important information regarding grounds for debarment for failure to submit required documentation.
- 32.2 The specified Equal Opportunity Contracting Program (EOCP) forms are available for download from the City's web site at:

http://www.sandiego.gov/eoc/forms/index.shtml

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
1.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Proposal (Bid)
2.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid Bond
3.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Non-collusion Affidavit to be Executed By Bidder and Submitted with Bid under 23 USC 112 and PCC 7106
4.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Contractors Certification of Pending Actions
5.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Equal Benefits Ordinance Certification of Compliance
6.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Non-Lobbying Certification
7.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Lobby Prohibition, Certification and Disclosure

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
8.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Instructions for Completion of SF-LLL, Disclosure of Lobbying Activities
9.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Disclosure of Lobbying Activities
10.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA35 - List of Subcontractors
11.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA40 - Named Equipment/Material Supplier List
12.	WITHIN 4 WORKING DAY OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Federal Good Faith Documentations
13.	WITHIN 4 WORKING DAY OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Proof of Valid DBE-MBE-WBE-DVBE Certification Status e.g., Certs.
14.	WITHIN 4 WORKING DAY OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Form AA61 – List of Work Made Available
15.	WITHIN 4 WORKING DAY OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Form AA62 – Summary of Bids Received
16.	WITHIN 4 WORKING DAY OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Form AA63 – Good Faith Effort List of Subcontractors Solicited
17.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Names of the principal individual owners of the Apparent Low Bidder
18.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	If the Contractor is a Joint Venture:  • Joint Venture Agreement  • Joint Venture License
19.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Form BB05 - Work Force Report
20.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Agreement

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
21.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Payment and Performance Bond
22.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Certificates of Insurance and Endorsements
23.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - Drug-Free Workplace
24.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - American with Disabilities Act
25.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractors Standards - Pledge of Compliance

# CONTRACT FORMS AGREEMENT

# CONTRACT FORMS AGREEMENT

#### **CONSTRUCTION CONTRACT**

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

- 1. The following are incorporated into this contract as though fully set forth herein:
  - (a) The attached Faithful Performance and Payment Bonds.
  - (b) The attached Proposal included in the Bid documents by the Contractor.
  - (c) Reference Standards listed in the Notice Inviting Bids and the Supplementary Special Provisions (SSP).
  - (d) That certain documents entitled <u>GOMPERS NEIGHBORHOOD PARK</u> <u>CHILDREN'S PLAY AREA UPGRADES</u>, on file in the office of the Public Works Department as Document No. S-11030, as well as all matters referenced therein.
  - 2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner **GOMPERS NEIGHBORHOOD PARK CHILDREN'S PLAY AREA UPGRADES**; Bid No. K-13-5775-DBB-3, San Diego, California.
- 3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
- 4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 5. This contract is effective as of the date that the Mayor or designee signs the agreement.

## **CONTRACT FORMS (continued)**

#### **AGREEMENT**

APPROVED AS TO FORM AND LEGALITY
Jan I. Goldsmith, City Attorney
Print Name: Katherine A. Malcola Deputy City Attorney
Date: 2 4 13
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# CONTRACT/AGREEMENT ATTACHMENTS

EXECUTED IN TRIPLICATE BOND NO. 2153964 PREMIUM: \$6,935,00

## CONTRACT ATTACHMENT PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND

#### FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND;

TRI-GROUP CONSTRUCTION AND DEVELOPMENT, INC., a corporation, as principal, and NORTH AMERICAN SPECIALTY INSURANCE COMPANY, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of SIX HUNDRED FIFTY THOUSAND DOLLARS AND 00/100 (\$650,000.00) for the faithful performance of the annexed contract, and in the sum of SIX HUNDRED FIFTY THOUSAND DOLLARS AND 00/100 (\$650,000.00) for the benefit of laborers and materialmen designated below.

#### Conditions:

If the Principal shall faithfully perform the annexed contract GOMPERS NEIGHBORHOOD PARK - CHILDREN'S PLAY AREA UPGRADES; Bid No. K-13-5775-DBB-3, San Diego, California then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

If the Principal shall promptly pay all persons, firms and corporations furnishing materials for or performing labor in the execution of this contract, and shall pay all amounts due under the California Unemployment Insurance Act then the obligation herein with respect to laborers and materialmen shall be void; otherwise it shall remain in full force.

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Chapter 3 of Division 5 of Title I of the Government Code of the State of California or under the provisions of Section 3082 et seq. of the Civil Code of the State of California.

Changes in the terms of the annexed contract or specifications accompanying same or referred to therein shall not affect the Surety's obligation on this bond, and the Surety hereby waives notice of same.

# CONTRACT ATTACHMENT (continued) PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND

The Surety shall pay reasonable attorney's fees should suit be brought to enforce the provisions of this bond. DECEMBER 14, 2012 Dated TRI-GROUP CONSTRUCTION AND DEVELOPMENT, INC. Approved as to Form and Legality Principal HANI ASSI, SECRETARY Printed Name of Person Signing for Principal Jan I. Goldsmith, City Attorney NORTH AMERICAN SPECIALTY INSURANCE COMPANY Surety MARK D. IATAROLA, Attorney-in-fact 6 HUTTON CENTRE DRIVE, SUITE 850 Approved: Local Address of Surety SANTA ANA, CA 92707 Local Address (City, State) of Surety Print Name: Paul D. Chopin 714/550-7799 Local Telephone No. of Surety Premium Is For Contract Term And Is Subject To Adjustment Based On Final Contract Price Premium \$ 6,935.00 Bond No. 2153964

#### CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

XXXX				
STATE	OF CALIFORNIA		1	
County	y of	SAN DIEGO	}}	
On	12/14/2012 Date	before me,	MICHELLE M. BASUIL, NOTARY PL Here Insert Name and Title of the Office	JBLIC ,
persor	nally appeared		MARK D. IATAROLA  Name(s) of Signer(s)	
			who proved to me on the basis of some the person (a) whose name (a) is within instrument and acknowledged executed the same in his/her/their at and that by his/her/their signature (a) person (a), or the entity upon behalf acted, executed the instrument.	atisfactory evidence to /are subscribed to the to me that he/ <del>she/they</del> thorized capacity( <del>los</del> )
	COM	ELLE M. BASUIL  MM. #1862575  PUBLIC-CALIFORNIA & DIEGO COUNTY  NOTE: THE PUBLIC COUNTY  NOTE: T	I certify under PENALTY OF PERJU the State of California that the foreg and correct.	JRY under the laws of oing paragraph is true
	My Com	n. Exp. AUG 24, 2013	Witness my hand and official seal.	1
	Place Notary Se	al Above	Signature Michaelle m. Signature of Notary Public	Jasu L
		O		
Tho	ugh the information b and could prev	<u> </u>	w, it may prove valuable to persons rely nd reattachment of this form to another of	ring on the document document.
Descr	iption of Attached D	ocument		
Title o	r Type of Document: <u>l</u>	PERFORMANCE BOND	AND LABOR AND MATERIALMEN'S B	OND
Docur	ment Date: <u>12/14/201</u> 2	2	Number of Pages: 2	2
Signe	r(s) Other Than Name	ed Above:		
Capac	city(ies) Claimed by	Signer(s)		
☐ Ind☐ Cor☐ Par☐ Atto☐ Trus☐ Guz	tner — □ Limited □ G orney in Fact	s):eneral RIGHTTHUMBPRIN OF SIGNER Top of thumb here	☐ Partner — ☐ Limited ☐ Gener☐ Attorney in Fact☐ Trustee	
Signer	Is Representing:		Signer Is Representing:	

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#### NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY
KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Manchester, New Hampshire, and Washington International Insurance Company, a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Schaumburg, Illinois, each does hereby make, constitute and appoint:  JOHN G. MALONEY, HELEN MALONEY, MICHELLE M. BASUIL,
GLENDA J. GARDNER, MARK D. IATAROLA and DEBORAH D. DAVIS
JOINTLY OR SEVERALLY
Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the
amount of: FIFTY MILLION (\$50,000,000.00) DOLLARS
This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on the 9 <sup>th</sup> of May, 2012:
"RESOLVED, that any two of the Presidents, any Managing Director, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is
FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."
By Steven P. Anderson, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company  By David M. Layman, Vice President of Washington International Insurance Company & Vice President of North American Specialty Insurance Company
IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 10th day of
North American Specialty Insurance Company Washington International Insurance Company
State of Illinois County of Cook ss:
On this 10th day of December, 2012, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of

Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and David M. Layman, Vice President of Washington International Insurance Company and Vice President of North American Specialty Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.

> "OFFICIAL SEAL" DONNA D. SKLENS Notary Public, State of Illinois My Commission Expires 10/06/2015

Donna D. Sklens, Notary Public

of North American Specialty Insurance Company and Washington International Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company and Washington International Insurance Company, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 14th day of

Jeffrey Goldberg, Vice President & Assistant Secretary of Washington International Insurance Company & North American Specialty Insurance Company

#### CONTRACTOR CERTIFICATION

#### DRUG-FREE WORKPLACE

## PROJECT TITLE: GOMPERS NEIGHBORHOOD PARK - CHILDREN'S PLAY AREA UPGRADES

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

TRI-GROUP

CONSTRUCTION AND

DEVELOPMENT, INC.

(Name under which business is conducted)

has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

Signed				
Printed Name	HANI ASSI			
Title	SECRETARY OF CORPORATION			

#### **CONTRACTOR CERTIFICATION**

#### AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

## PROJECT TITLE: GOMPERS NEIGHBORHOOD PARK - CHILDREN'S PLAY AREA UPGRADES

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that;

TRI-GROUP CONSTRUCTION AND DEVELOPMENT, INC.

(Name under which business is conducted)

has in place a workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

Signed		
	HANI ASSI	
Printed Name		
Title	SECRETARY OF CORPORATION	

#### CONTRACTOR CERTIFICATION

#### CONTRACTOR STANDARDS - PLEDGE OF COMPLIANCE

## PROJECT TITLE: GOMPERS NEIGHBORHOOD PARK - CHILDREN'S PLAY AREA UPGRADES

I declare under penalty of perjury that I am authorized to make this certification on behalf of The Low Comments of City of San Diego Municipal Code § 22.3224 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3224.

Dated this _	12 Day of	
	Signed	- /- /- / l
		HANI ASSI
	Printed Nan	ne
	Title	SECRETARY OF CORPORATION

### **AFFIDAVIT OF DISPOSAL**

WHEREAS, on the DAY O	F, the undersigned
entered into and executed a contract with	F,, the undersigned the City of San Diego, a municipal corporation, for:
GOMPERS NEIGHBORHOOD	PARK - CHILDREN'S PLAY AREA UPGRADES
	(Project)
(WBS/CC/IO) <u>S-11030</u> and WHEREAS affirm that "all brush, trash, debris, an	ct and identified as Bid No. <u>K-13-5775-DBB-3</u> ; SAP No. I, the specification of said contract requires the Contractor to ad surplus materials resulting from this project have been <b>HEREAS</b> , said contract has been completed and all surplus
Contractor under the terms of said contr	n of the final payment by the City of San Diego to said ract, the undersigned Contractor, does hereby affirm that all stract have been disposed of at the following location(s)
and that they have been disposed of accor	rding to all applicable laws and regulations.
Dated this DAY OF	,
	Contractor
by	
ATTEST:	
State of	
State of County of	
said County and State, duly commissione	2, before the undersigned, a Notary Public in and for ed and sworn, personally appeared Contractor named in the s subscribed thereto, and acknowledged to me that said
foregoing Release, and whose name is Contractor executed the said Release.	s subscribed thereto, and acknowledged to me that said
Notary Public in and for said County and	State

### **FUNDING AGENCY PROVISIONS**

#### **FUNDING AGENCY PROVISIONS**

IN THE EVENT THAT THESE REQUIREMENTS CONFLICT WITH THE CITY'S GENERAL EOC REQUIREMENTS, THE FUNDING AGENCY'S REQUIREMENTS WILL CONTROL.

- 1. NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246).
  - **1.1.** The goal and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, as follows:

		<u>Goal</u>
1.	Minority Participation:	16.9%
2.	Female Participation:	6.9%

- 1.2. These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the Contractor performs Work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the Work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both federally involved and non-federally involved Work.
- 1.3. The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals.
- 1.4. The hours of minority and female employment and training shall be substantially uniform throughout the length of the Contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the Contract, the Executive Order, and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.
- 1.5. The Contractor shall provide written notification to the Director the Office of Federal Contract Compliance Programs within 10 Working Days of award of any Subcontract in excess of \$10,000 at any tier for Work under the Contract resulting from this solicitation. The notification shall list the name, address and telephone number of the Subcontractor; employer identification number of the Subcontractor; estimated dollar amount of the Subcontract; estimated starting and completion dates of the Subcontract; and the geographical area in which the subcontract is to be performed. The "covered area" is the City of San Diego.

#### 2. EQUAL OPPORTUNITY CLAUSES:

- **2.1.** The following equal opportunity clauses are incorporated by reference herein:
  - 1. The equal opportunity clause located 41 CFR 60.1.4(a), which specifies the obligations imposed under Executive Order 11246.
  - 2. The equal opportunity clause located at 41 CFR 60-741.5, which contains the obligations imposed by Section 503 of the Rehabilitation Act of 1973.
  - 3. The "Equal Opportunity Clause" (Resolution No. 765092) filed on December 4, 1978, in the Office of the City Clerk, San Diego, California and incorporated in the "Standard Federal Employment Opportunity Construction Contract Specifications (Executive Order 11246 Document No. 769023, filed September 11, 1984, in the Office of the City Clerk, San Diego, California) is applicable to all non-exempt City construction contracts and subcontracts of \$2.000 or more.
  - 4. Age Discrimination Act of 1975, Pub. L. 94-135.
  - 5. Title VI of the Civil Rights Act of 1964, Pub. L. 88-352.
  - 6. Section 13 of the Federal Water Pollution Control Acts Amendments of 1972, Pub. L. 92-5200 (the Clean Water Act).
  - 7. Section 504 of the Rehabilitation Act of 1973, Pub. L. 93-112 (Executive Orders 11914 and 11250).
  - 8. Women's Minority Business Enterprises, Executive Orders 11625, 12138 and 12432.
  - 9. Section 129 of the Small Business Administration Reauthorization and Amendment Act of 1988, Pub. L. 100-590.

#### 3. STANDARD FEDERAL EQUAL EMPLOYMENT SPECIFICATIONS:

- 3.1. The Contractor is required to comply with the 16 "Standard Federal Equal Employment Specifications" located at 41 CFR 60-4.3 for federal and federally-assisted construction contracts in excess of \$10,000, set forth below.
- **3.2.** The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions The Contractor shall document these efforts fully, and shall implement affirmative actions steps at least as extensive as the following:
  - 1. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign 2 or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

- 2. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
- 3. Maintain a current file of the names, addresses and telephone numbers of each minority and female walk-in applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.
- 4. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- 5. Develop on-the-job training opportunities, participate in training programs for the area, or both which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under C.1. above.
- 6. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreements; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
- 7. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignments, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as superintendents, foreman, etc., prior to the initiation of Work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and dispositions of the subject matter.
- 8. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.

- 9. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
- 10. Encourage present minority and female employees to recruit other minority persons and women and where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.
- 11. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
- 12. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
- 13. Ensure that seniority practices, job classifications, work assignments and other personnel practices do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
- 14. Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
- 15. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
- 16. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

#### 4. VIOLATION OR BREACH OF REQUIREMENTS:

**4.1.** If at any time during the course of the Contract there is a violation of the Affirmative Action or Equal Employment Opportunity requirements by the Contractor, or the Subcontractors, the City will notify the Contractor of the breach. The City may withhold any further progress payments to the Contractor until the City is satisfied that the Contractor and Subcontractors are in full compliance with these requirements.

#### 5. MONTHLY EMPLOYMENT UTILIZATION REPORTS:

- **5.1.** Refer to GENERAL EQUAL OPPORTUNITY CONTRACTING PROGRAM REQUIREMENTS, CONSTRUCTION CONTRACTOR REQUIREMENTS in The WHITEBOOK and the following:
  - 1. State of California Department of Transportation Payroll Report. Due to the City weekly.
  - 2. Federal and Non-Federal Work in San Diego County. Submit an updated list only if work is complete or new contracts have been awarded during the span of this project.

#### 6. RECORDS OF PAYMENTS TO DBEs:

**6.1.** The Contractor shall maintain records and documents of payments to DBEs for 5 years following the NOC. These records shall be made available for inspection upon request by any authorized representative of the City, DOT, or both. The reporting requirement shall be extended to any certified DBE Subcontractor.

#### 7. FEDERAL WAGE REQUIREMENTS FOR FEDERALLY FUNDED PROJECTS:

- **7.1.** The successful Bidder's work shall be required to comply with Executive Order 11246, entitled "Equal Employment Opportunity,", as amended by Executive Order 11375, and as supplemented in Department of Labor regulations (41 CFR chapter 60).
- **7.2.** This Executive Order pertains to Equal Employment Opportunity regulations and contains significant changes to the regulations including new goals and timetables for women in construction and revised goals and time-tables for minorities in construction.
- **7.3.** Minimum wage rates for this project have been predetermined by the Secretary of Labor and are set forth in the Decision of the Secretary and bound into the specifications book. Should there be any difference between the state or federal wage rates, including health and welfare funds for any given craft, mechanic, or similar classifications needed to execute the Work, it shall be mandatory upon the Contractor or subcontractor to pay the higher of the two rates.
- 7.4. The minimum wage rate to be paid by the Contractor and the Subcontractors shall be in accordance with the Federal Labor Standards Provisions (see pages 33 through 37 below) and Federal Wage Rates (see Wage Rates below) and General Prevailing Wage Determination made by the State of California, Director of Industrial Relations pursuant to California Labor Code Part 7, Chapter 1, Article 2, Sections 1770, 1773 and 1773.1, whichever is higher.
- **7.5.** A Contractor having 50 or more employees and its Subcontractors having 50 or more employees and who may be awarded a contract of \$50,000 or more will be required to maintain an affirmative action program, the standards for which are contained in the specifications.

- **7.6.** To be eligible for award, each Bidder shall comply with the affirmative action requirements which are contained in the specifications.
- **7.7.** Women will be afforded equal opportunity in all areas of employment. However, the employment of women shall not diminish the standards of requirements for the employment of minorities.
- **8. WAGE RATES**. This contract shall be subject to the following Davis-Bacon Wage Decisions:
  - [Wage Determination Number] CA120001 08/03/2012 CA1
  - [Modification Number] 9
  - [Publication Date] 09/14/2012

The required wage information may be accessed and downloaded from: <a href="http://www.wdol.gov/">http://www.wdol.gov/</a>

#### 9. SECTION 3 OF THE HOUSING AND URBAN DEVELOPMENT ACT OF 1968:

- 9.1. The work to be performed under this contract is on a project assisted under a program providing direct Federal financial assistance from the Department of Housing and Urban Development and is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u. Section 3 requires that to the greatest extent feasible opportunities for training and employment be given lower income residents of the project area and contracts for work in connection with the project be awarded to business concerns which are located in or owned in substantial part by persons residing in the area of the project.
- **9.2.** The parties to this contract will comply with the provisions of said Section 3 and the regulations issued pursuant thereto by the Secretary of Housing and Urban Development set forth in 24 CFR Part 135, and all applicable rules and orders of the Department issued thereunder prior to the execution of this contract. The parties to this contract certify and agree that they are under no contractual or other disability which would prevent them from complying with these requirements.
- **9.3.** The Contractor will send to each labor organization or representative of workers with which he has a collective bargaining agreement or other contract or understanding, if any, a notice advising the said labor organization or workers' representative of his commitments under this Section 3 clause and shall post copies of the notice in conspicuous places available to employees and applicants for employment or training.
- 9.4. The Contractor will include this Section 3 clause in every subcontract for work in connection with the project and will, at the direction of the applicant for or recipient of Federal financial assistance, take appropriate action pursuant to the subcontract upon a finding that the Subcontractor is in violation of regulations issued by the Secretary of Housing and Urban Development, 24 CFR Part 135. The Contractor will not subcontract with any Subcontractor where it has notice or knowledge that the latter has been found in violation of regulations under 24 CFR Part 135 and will not let any subcontract unless the Subcontractor has first provided it with a preliminary statement of ability to comply with the requirements of these regulations.

9.5. Compliance with the provisions of Section 3, the regulations set forth in 24 CFR Part 135, and all applicable rules and orders of the Department issued thereunder prior to the execution of the contract, shall be a condition of the Federal financial assistance provided to the project, binding upon the applicant or recipient for such assistance, its successors and assigns. Failure to fulfill these requirements shall subject the applicant or recipient, its Contractors and Subcontractors, its successors, and assigns to those sanctions specified by the grant or loan agreement or contract through which Federal assistance is provided, and to such sanctions as are specified by 24 CFR Part 135.

#### **Federal Labor Standards Provisions**

#### U.S. Department of Housing and Urban Development Office of Labor Relations

#### **Applicability**

The Project or Program to which the construction work covered by this contract pertains is being assisted by the United States of America and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance

A. 1. (i) Minimum Wages. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section l(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period.

Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4).

Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible, place where it can be easily seen by the workers.

(ii) (a) Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and (2) The classification is utilized in the area by the construction industry; and
- (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
- (b) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140.)
- (c) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)
- (d) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii)(b) or (c) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.
- (iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
- (iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part

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of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

2. Withholding. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract In the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper, employed or working on the site of the work, all or part of the wages required by the contract, HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the contractor, disburse such amounts withheld for and on account of the contractor or subcontractor to the respective employees to whom they are due. The Comptroller General shall make such disbursements in the case of direct Davis-Bacon Act

3. (i) Payrolls and basic records. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work preserved for a period of 3 years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section 1(b)(2)(B) of the Davis-bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been

communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1215-0140 and 1215-0017.)

(ii) (a) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i) except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired.

Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at

http://www.dol.gov/esa/whd/forms/wh347instr.htm

or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.

Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this subparagraph for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to HUD or its designee. (Approved by the Office of Management and Budget under OMB Control Number 1215-0149.)

- **(b)** Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
- (1) That the payroll for the payroll period contains the information required to be provided under 29 CFR 5.5 (a)(3)(ii), the appropriate information is being maintained under 29 CFR 5.5(a)(3)(i), and that such information is correct and complete;

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- (2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;
- (3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.
- (c) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by subparagraph A.3.(ii)(b).
- (d) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.
- (iii) The contractor or subcontractor shall make the records required under subparagraph A.3.(i) available for inspection, copying, or transcription by authorized representatives of HUD or its designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the contractor, sponsor, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

#### 4. Apprentices and Trainees.

(i) Apprentices. The Apprentice number required on this contract is 3. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who

is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination.

Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant ',to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by

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the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- (iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under 29 CFR Part 5 shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.
- **5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR Part 3 which are incorporated by reference in this contract **6. Subcontracts.** The contractor or subcontractor will insert in any subcontracts the clauses contained in subparagraphs 1 through 11 in this paragraph A and such other clauses as HUD or its designee may by appropriate instructions require, and a copy of the applicable prevailing wage decision, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this paragraph.
- **7. Contract termination; debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.
- **8.** Compliance with Davis-Bacon and Related Act Requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.
- **9. Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and HUD or its designee, the U.S. Department of Labor, or the employees or their representatives.
- **10.** (i) Certification of Eligibility. By entering into this contract the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be

awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24. (ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001. Additionally, U.S. Criminal Code, Section 1 01 0, Title 18, U.S.C., "Federal Housing Administration transactions", provides in part: "Whoever, for the purpose of....influencing in any way the action of such Administration.... makes, utters or publishes any statement knowing the same to be false.... shall be fined not more than \$5,000 or imprisoned not more than two years, or both"

- 11. Complaints, Proceedings, or Testimony by Employees. No laborer or mechanic to whom the wage, salary, or other labor standards provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Contractor or any subcontractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.
- **B.** Contract Work Hours and Safety Standards Act. The provisions of this paragraph B are applicable where the amount of the prime contract exceeds \$100,000. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.
- (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.
- (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in subparagraph (1) of this paragraph, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in sub paragraph (1) of this paragraph.

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- (3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contract, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same prime contractor such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.
- (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.
- C. Health and Safety. The provisions of this paragraph C are applicable where the amount of the prime contract exceeds \$100,000.
  (1) No laborer or mechanic shall be required to work in surroundings
- or under working conditions which are unsanitary, hazardous, or dangerous to his health and safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.
- (2) The Contractor shall comply with all regulations issued by the Secretary of Labor pursuant to Title 29 Part 1926 and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act, (Public Law 91-54, 83 Stat 96). 40 USC 3701 et seq.
- (3) The contractor shall include the provisions of this paragraph in every subcontract so that such provisions will be binding on each subcontractor. The contractor shall take such action with respect to any subcontractor as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.

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#### 11. AGENCY SPECIFIC PROVISIONS:

Note: Failure to comply with these specifications e.g., taking the specified steps prior to Bid opening, and to submit the forms located in Volume 2 with the Bid will lead to the Bid being declared **non-responsive** and, therefore, shall be rejected.

## 11.1. HUD Requirements

- **11.1.1.** Affirmative Good Faith Effort Steps shall include the steps listed at 24 CFR 85.36(e)(2), set forth below:
  - 1. Placing qualified DBE business enterprises on solicitation lists;
  - 2. Assuring that DBE business enterprises are solicited whenever they are potential sources;
  - 3. Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by DBE business enterprises;
  - 4. Establishing delivery schedules, where the requirement permits, which encourage participation by DBE business enterprises;
  - 5. Using the services and assistance of the Small Business Administration and the Minority Business Development Agency of the Department of Commerce; and
  - 6. Requiring the Subcontractors to take the affirmative steps listed in this section.
  - 7. See "DBE Potential Resources Centers" Section in a later part these specifications. Include a completed copy of the form AA61, "List of Work Made Available" with the GFE documentation.

#### 12. DBE POTENTIAL RESOURCES CENTERS:

- **12.1.** Utilization of SBA and MBDA resources is required at no cost. These agencies offer several services, including Internet access to databases of DBEs.
- **12.2.** For additional assistance, the recipient or contractor can telephone the local offices of both agencies in their area (SBA Minority Enterprise Development Offices and DOC MBDA Regional Centers). The Internet web sites also include names, addresses, and phone or fax numbers of local SBA and MBDA centers. Do not write to these sources
- **12.3.** The Contractor shall provide documentation that the local SBA/MBDA offices or web sites were notified of the contracting bid opportunity at least 15 Working Days prior to Bid opening and solicitation to DBE subcontractors at least 10 Working Days prior to Bid opening. Documentation shall not only include the efforts to contact the information sources and list the Contract opportunity, but also the solicitation and response to the bid request.
- **12.4.** Include qualified DBEs on solicitation lists and record the information on Form AA63. Solicitation shall be as broad as possible. The following web sites include a list of available sources for expanding the search for eligible DBEs:

- 1. <a href="http://www.sba.gov">http://www.sba.gov</a>
- 2. http://www.ccr.gov
- 3. <a href="http://www.mbda.gov">http://www.mbda.gov</a>
- **12.5.** If DBE sources are not located, explain why and describe the efforts made.
- **12.6.** The Contractor shall send invitations to at least 3 (or all, if less than 3) DBE vendors for each item of work referred by sources contacted. The invitations shall adequately specify the items for which bids are requested. The record of "good faith" efforts shall indicate a real desire for a positive response, such as a certified mail receipt or a documented telephone conversation.
- **12.7.** A regular letter or an unanswered telephone call is not an adequate "good faith" effort. A list of all sub-bidders, including the bidders not selected and non DBE Subcontractors, and bid amount for each item of the Work shall be submitted on Form AA62. If a low bid was not accepted, an explanation shall be provided.
- **12.8.** Federal Agencies (must be contacted and solicitations posted on their websites):

Name and Address	Telephone and Web Site
U.S. Small Business Administration	(415) 744-6820 Extension 0
455 Market Street, Suite 600	PRO-Net Database: <a href="http://www.ccr.gov/">http://www.ccr.gov/</a>
San Francisco, CA 94105	Bid Notification: <a href="http://web.sba.gov/subnet/">http://web.sba.gov/subnet/</a>
RE: Minority Enterprise Development Offices	
U.S. Department of Commerce	(415) 744-3001
Minority Business Development Agency	Phoenix/ Opportunity Database:
211 Main Street, Room 1280	http://www.mbda.gov <sup>3</sup>
San Francisco, CA 94105	RE: Business Development Centers

## **12.9.** State Agencies (optional contacts):

Name and Address	Telephone and Web Site	
California Department of Transportation	Mailing Address: PO Box 942874	
(CALTRANS) Business Enterprise Program <sup>4</sup>	Sacramento, CA 94274-0015	
1820 Alhambra Blvd.	(916) 227-9599	
Sacramento, CA 95816	www.dot.ca.gov/hq/bep	
CA Public Utilities Commission (CPUC) <sup>5</sup>		
505 Van Ness Avenue	http://www.anua.co.gov/statia/supplierdiversity	
San Francisco, CA 94102-3298	http://www.cpuc.ca.gov/static/supplierdiversity	

## Notes:

1. PRO-Net new database is the SBA's electronic search engine that was put on line January 1, 2004, containing business profiles for nearly 200,000 businesses. The SBA requests Internet contact only for a list

- of potential DBE subcontractors that can be downloaded from PRO-Net: http://www.ccr.gov. Downloading will verify that the prime contractor made the required contact with the SBA.
- 2. The Contractor shall use SUB-Net to post subcontracting opportunities. The Contractor shall post Subcontractor opportunities at least 15 Working Days prior to bid opening. Small businesses can review this web site to identify opportunities in their areas of expertise. The web site is designed primarily as a place for large businesses to post solicitations and notices. Provide copy of the Display Solicitation Record with the GFE documentation.
- 3. The Contractors shall use MBDA web portal to post subcontracting opportunities. The Contractor shall post subcontractor opportunities at least 15 Working Days prior to Bid opening. Small businesses can review this web site to identify opportunities in their areas of expertise. The web site is designed primarily as a place for large businesses to post solicitations and notices. Provide copy of the Offer Overview with the GFE documentation.
- Based on the federal DBE program, CALTRANS maintains a database and provides directories of minority and woman-owned firms.
- 5. CPUC maintains a database of DBE-owned business enterprises and serves to inform the public.

#### 13. GOOD FAITH EFFORT DOCUMENTATION SUBMITTALS:

- **13.1.** The affirmative GFE steps documentation shall be submitted **within 4 Working Days of the Bid Opening**. If this documentation is not submitted when due, the City will declare the Bid **non-responsive** and reject it.
- **13.2.** For information on adequate GFE to meet the Contract specified percentages refer to the document titled "GUIDANCE FOR BIDDERS COMPLETING THE GOOD FAITH EFFORT SUBMITTAL" incorporated in this contract for information. This document is available from the EOCP's web site.
- **13.3.** The required documentation shall be submitted and logged in at the following address:

CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTING GROUP
1200 THIRD AVENUE, SUITE 200
SAN DIEGO, CA 92101
SUBJECT: AFFIRMATIVE GOOD FAITH EFFORT DOCUMENTATION
BID NO. **K-13-5775-DBB-3** 

**13.4.** The Contractor shall maintain the records documenting compliance with requirements including documentation of its GFE and data relied upon in formulating its fair share objectives.

## LIST OF WORK MADE AVAILABLE

List items of the Work the Bidder made available to DBE firms. Identify those items of the Work the Bidder might otherwise perform with its own forces and those items that have been broken down into economically feasible units to facilitate DBE participation. For each item listed, show the dollar amount and percentage of the Base Bid. The Bidder must demonstrate that enough work to meet the goal was made available to DBE firms.

ITEM OF WORK MADE AVAILABLE	NAICS CODE	BIDDER NORMALLY PERFORMS ITEM (Y/N)	ITEM BROKEN DOWN TO FACILITATE PARTICIPATION (Y/N)	AMOUNT	PERCENTAGE OF BASE BID
				1	1
					<u> </u>

Form Title: LIST OF WORK MADE AVAILABLE

Form: AA61

Gompers Neighborhood Park - Children's Play Area Upgrades

# **SUMMARY OF BIDS RECEIVED**

Type of Job	NAICS CODES	Company Name	Selected (Y/N)	Bid Amount	DBE	Non- DBE	<b>Explanation for not Selecting</b>

# USE ADDITIONAL FORMS AS NECESSARY

Form Title: SUMMARY OF BIDS RECEIVED

Form: AA62

Gompers Neighborhood Park - Children's Play Area Upgrades

(Rev. April 2012)

# DISADVANTAGE BUSINESS ENTERPRISE (DBE) GOOD FAITH EFFORT LIST OF SUBCONTRACTORS SOLICITED

Contractor Name	Contractor Address	How Located	Date of Contact	Contact Method	Task Description	Response (Yes/No)

# USE ADDITIONAL FORMS AS NECESSARY

Form Title: DBE GOOD FAITH EFFORT LIST OF SUBCONTRACTORS SOLICITED

(Rev. April 2012)

Form: AA63

Gompers Neighborhood Park - Children's Play Area Upgrades

# SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SSP (Rev. July 2012) Gompers Neighborhood Park - Children's Play Area Upgrades **44** | Page

## SUPPLEMENTARY SPECIAL PROVISIONS

The following Supplementary Special Provisions (SSP) modifies the following documents:

- 1. Standard Specifications for Public Works Construction (The GREENBOOK) currently in effect.
- 2. The City of San Diego Standard Specifications for Public Works Construction (The WHITEBOOK).

#### 1-2 TERMS AND DEFINITIONS.

**Normal Working Hours -** To the City Supplement, ADD the following:

The Normal Working Hours shall be 7:30 AM to 4:30 PM.

**2-3.2 Self Performance.** DELETE in its entirety and SUBSTITUTE with the following:

The Contractor shall perform, with its own organization, Contract work amounting to at least **35 percent** of the base bid alone or base bid and any additive or deductive alternate(s) that together when added or deducted form the basis of determining the Apparent Low Bidder as specified.

# **2-5.5 As-built Drawings.** ADD the following:

As-built Drawings shall be the responsibility of the Contractor.

# **2-7 SUBSURFACE DATA.** ADD the following:

In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests of subsurface conditions at the Work Site:

1. Report of Geotechnical Evaluation dated May 5, 2009 by Ninyo & Moore and Associates.

The report listed above is available for review by contacting the City Project Manager or visiting:

## ftp://ftp.sannet.gov/OUT/ECP/2-7%20SUBSURFACE%20DATA/

## **2-9.2 Survey Services.** DELETE in its entirety and SUBSTITUTE with the following:

The Contractor shall be responsible for all surveying services or as may be specified in these special provisions.

The payment for survey services shall be included in the various Bid items unless a Bid item for Survey Service has been provided.

#### ADD:

#### 7-3.1 Policies and Procedures.

a) You must procure the insurance described below, at your sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or subcontractors.

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- b) Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
- c) You must maintain this insurance for the duration of this contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this contract. Your liabilities under this contract, e.g., your indemnity obligations, will is not deemed limited to the insurance coverage required by this contract.
- d) Payment for insurance is included in the various items of Work as bid by you, and except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any work under this contract until you have provided and the City has approved all required insurance.
- e) Policies of insurance must provide that the City is entitled to 30 days (10 days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of this contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of this contract may be treated by the City as a material breach of contract.

## ADD:

## 7-3.2 Types of Insurance.

#### 7-3.2.1 Commercial General Liability Insurance.

- a) Commercial General Liability Insurance must be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
- b) The policy must cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured's contract (including the tort liability of another assumed in a business contract).
- c) There must be no endorsement or modification limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. You must maintain the same or equivalent insurance for at least 10 years following completion of the Work.
- d) All costs of defense must be outside the policy limits. Policy coverage must be in liability limits of not less than the following:

General Annual Aggregate Limit	Limits of Liability
Other than Dondrett (Complete LOurseting	<b>#2</b> 000 000
Other than Products/Completed Operations	\$2,000,000
Products/Completed Operations Aggregate Limit	\$2,000,000
Personal Injury Limit	\$1,000,000
Each Occurrence	\$1,000,000

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# 7-3.2.2 Commercial Automobile Liability Insurance.

- a) You must provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles ("Any Auto").
- b) All costs of defense must be outside the limits of the policy.

#### ADD:

## 7-3.3 Rating Requirements.

Except for the State Compensation Insurance Fund, all insurance required by this contract as described herein must be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

#### 7-3.3.1 Non-Admitted Carriers.

The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State and is included on the List of Eligible Surplus Lines Insurers (LESLI list).

All policies of insurance carried by non-admitted carriers must be subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

#### ADD:

## 7-3.4 Evidence of Insurance.

Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein, and furnish renewal documentation prior to expiration of this insurance. Each required document must be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

#### ADD:

## 7-3.5 Policy Endorsements.

# 7-3.5.1 Commercial General Liability Insurance.

#### 7-3.5.1.1 Additional Insured.

- a) You must provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.
- b) To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy must be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
  - 1. The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more must include liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) Your products, (c) Your work, e.g., your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled, or used by you.

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2. The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 must include liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) Your products, or (c) premises owned, leased, controlled, or used by you.

## 7-3.5.1.2 Primary and Non-Contributory Coverage.

The policy must be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it must provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of the Contractor's insurance and must not contribute to it.

## 7-3.5.1.3 Project General Aggregate Limit.

The policy or policies must be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work must reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit must be in addition to the aggregate limit provided for the products-completed operations hazard.

#### 7-3.5.2 Commercial Automobile Liability Insurance.

#### 7-3.5.2.1 Additional Insured.

Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy must be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

#### ADD:

#### 7-3.6 Deductibles and Self-Insured Retentions.

You are responsible for the payment of all deductibles and self-insured retentions. Disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.

#### ADD:

## 7-3.7 Reservation of Rights.

We reserve the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if they are acceptable to the City. We will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this contract.

#### ADD:

#### 7-3.8 Notice of Changes to Insurance.

You must notify the City 30 days prior to any material change to the policies of insurance provided under this contract.

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## ADD:

#### 7-3.9 Excess Insurance.

Policies providing excess coverage must follow the form of the primary policy or policies e.g., all endorsements.

**7-4 WORKERS' COMPENSATION INSURANCE.** DELETE in its entirety and SUBSTITUTE with the following:

## 7-4.1 Workers' Compensation Insurance and Employers Liability Insurance.

- a) In accordance with the provisions of §3700 of the California Labor Code, you must provide at its expense Workers' Compensation Insurance and Employers Liability Insurance to protect you against all claims under applicable state workers compensation laws. The City, its elected officials, and employees will not be responsible for any claims in law or equity occasioned by your failure to comply with the requirements of this section.
- b) Limits for this insurance must be not less than the following:

Workers' Compensation	Statutory Employers Liability
Bodily Injury by Accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 each employee
Bodily Injury by Disease	\$1,000,000 policy limit

c) By signing and returning this contract you certify that you are aware of the provisions of §3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code and you will comply with such provisions before commencing the Work as required by § 1861 of the California Labor Code.

## 7-4.1.1 Waiver of Subrogation.

The policy or policies must be endorsed to provide that the insurer will waive all rights of subrogation against the City, and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from work performed by the Named Insured for the City.

**7-5 PERMITS, FEES, AND NOTICES.** To the City Supplement, ADD the following:

The City will obtain, at no cost to the Contractor; the following permits:

a) Building permit for comfort station facility.

## **7-8.6 Water Pollution Control.** ADD the following:

Based on a preliminary assessment by the City, this contract is subject to **WPCP**.

7-15 INDEMNIFICATION AND HOLD HARMLESS AGREEMENT. To the City Supplements, fourth paragraph, last sentence, DELETE in its entirety and SUBSTITUTE with the following:

Your duty to indemnify and hold harmless does not include any claims or liability arising from the established active or sole negligence, or willful misconduct of the City, its officers, or employees.

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# ADD:

**7-16.2.2 Weekly Updates Recipients.** The following recipients shall receive a weekly correspondence with updates, traffic control issues and locations, lane closures, and any other pertinent information (with additional contact names given during award process).

Senior Engineer, <u>Samir Mahmalji</u>, <u>Smahmalji@sandiego.gov</u> Project Manager, Debbie Van Martin, Dvanmartin@sandiego.gov Resident Engineer, TBA, <u>XXX@sandiego.gov</u>

**8-2 FIELD OFFICE FACILITIES.** To the City Supplement, DELETE in its entirety.

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# **SPECIAL PROVISIONS**

**Architectural Specifications** 

# **SPECIAL PROVISIONS**

#### 2-5 PLANS AND SPECIFICATIONS

#### 2-5.3 Submittals

## **2-5.3.3 Shop Drawings.** ADD the following:

All submitted product data shall be legible and be the most up to date information provided by the manufacturer. Any data sheets provided which are dated beyond the last two years shall be accompanied by a letter or certification by the manufacturer that it is the most current information available. Failure to provide such information shall be grounds for rejection of that item.

## ADD:

#### 7-21 PROTECTION OF EXISTING PLANT MATERIAL

## **7-21.1** Construction Operations

- a) All plants outside the limit of work shall be protected in place. All trees to remain shall be protected in place.
- b) Do not operate equipment, which generates fumes or excessive heat, within 20' of the trees to remain. Fumes and heat can damage trees.
- c) The grade around existing trees to remain shall remain as existing to avoid disturbance of roots and avoid burying the roots under additional soil.
- d) When excavation near a tree to be preserved must be carried out, damage shall be limited by root pruning as outlined in Section 308-6.1.3 Root Pruning (Sidewalk replacement).
- e) Buried utilities and irrigation piping and equipment shall be located out of root zones wherever possible. In cases where utilities must cross root zones, tunnels shall be utilized in lieu of trenches. Tunneling within the rooting area of a tree to remain shall be done under the supervision of the Resident Engineer.
- f) Trenching, excavation and soil disturbance within the drip line of vegetation to remain shall not be permitted except as specifically allowed by the Resident Engineer. It is the intent of the plans that the Contractor provide an alternate routing of irrigation, electrical and all trenching to avoid cutting through roots of existing trees.
- g) Where it is necessary to excavate in close proximity to existing trees and shrubs, all possible caution shall be exercised to avoid injury to roots and trunks. In the event it is necessary to cut the roots of an existing tree to remain, the tree shall be pruned prior to excavation to reduce the foliage volume by the same percentage as the approximate percentage of roots removed. All work shall be performed under the direction of the Resident Engineer.
- h) Excavation within the drip line of the trees shall be done by hand, tunneling under roots 1" in diameter and larger, and shall be done only on the approval of the Resident Engineer. The exposed roots of trees shall be covered and shaded by moist burlap or canvas until the trench is backfilled (See Section 308-4).

i) All plants to remain on-site shall be watered if necessary during the entire construction contract to provide for plant health and survival. Watering shall be done under the direction of the Resident Engineer.

## 7-21.2 Clean-Up Repair and Maintenance.

- a) Upon completion of all work, remove tools equipment and tree preservation materials and measures from the site.
- b) Repair all areas, structures and surfaces damaged and requiring repair resulting from tree preservation measures. Repair adjacent construction or surfaces soiled or damaged by tree preservation measures.

#### 201-1 PORTLAND CEMENT CONCRETE.

## **201-1.1.2 Concrete Specified By Class.** ADD the following:

The concrete class and maximum slump for the various items of concrete work shall be as specified in the table under Subsection 201-1.1.2(A) of the Standard Specifications with the following additions or modifications:

<u>Item</u>	Concrete Class	Max. Slump (in.)
Deepened Concrete Curb	560-C-3250	4-inch
Concrete Sub-Slab	560-C-3250	4-inch
Concrete Footings	520-C-2500	Size as shown

#### 201-2 REINFORCEMENT FOR CONCRETE.

# **201-1.2.4(a)** Water Reducing, Set-Retarding, and Hydration Stabilizing Admixtures. ADD the following:

Integral colored concrete shall consist of colored admixtures developed for use in ready mixed concrete. The product shall be made of the highest quality synthetic pigments, as well as other ingredients designed to enhance the color and improve the pigment dispersion, workability and finishing performance of the concrete.

Integral color pigments shall meet or exceed ASTM-C-979. The coloring method shall be designed for concrete flatwork applications (broom finishes, sandblast finishes, smooth finishes), as well as vertical surfaces, and other types of architectural concrete. Pigment shall be a permanent coloration, uniform throughout the concrete surface and interior, and shall be highly UV and fade resistant.

Colored admixture shall be air-entraining and water-reducing, meeting the requirements of ASTM C494, AASHTO M 194, and CRD C87.

Integral colored concrete shall be cured with Scofield Lithochrome Colorwax color, or approved equivalent, matched to the concrete. Provide sample panel of all colors to be used in the installation on identical surfaces for approval by Resident Engineer with coordination by the Landscape Architect prior to construction. Contractor shall provide a maintenance schedule for integral colored concrete.

Admixture for all integral colored concrete sidewalks, colored concrete plaza paving, and other integral colored concrete shall be the following:

Manufacturer: Scofield Chromix Admixtures for color-conditioned concrete, or approved equivalent

L. M. Scofield Company 6533 Bandini Boulevard Los Angeles, California 90040 1-800-800-9900

Colors: To Match Existing; #5234 'Summer Beige'

Curing: Scofield Colorcure Concrete Sealer (or approved equivalent). See Section

201 of these Special Provisions for Concrete Curing Materials.

Admixture products and procedures for installation shall be in strict accordance with the manufacturer's specifications and recommendations, and those published by the American Concrete Institute (ACI) and the Portland Cement Association (PCA).

ADD:

## 201-2.5 Tie Wire.

Tie wire shall be 16 gauge, black annealed.

ADD:

## 201-2.6 Reinforcing Supports.

All horizontal reinforcing shall be supported on approved chairs or supports to the specified height and locations as indicated on the drawings.

ADD:

#### 201-2.7 Dowels.

Dowels shall be sections of deformed steel reinforcing rod in sizes and lengths as indicated on the plans. Dowels shall be provided in locations where resilient paving sub-slab abuts existing or new concrete curbs, where concrete curbs abut new concrete walkways, at expansion joints, and anywhere else indicated on the plans. Dowels shall also be provided for the concrete walkway where it abuts the existing concrete slabs and building footings. Provide dowels at the on-center spacing as indicated on the plan, centered on concrete slab, with a minimum of two dowels abutting into any adjacent slab sections.

#### 201-3 EXPANSION JOINT FILLER AND JOINT SEALANTS.

## **201-3.4 Type "A" Sealant (Two-Part Polyurethane Sealant).** ADD the following:

All finished concrete surfaces shall have a 1/2" continuous expansion joint at locations indicated on the plans and notes and shall be located either parallel or perpendicular to the curb line. When not otherwise indicated all expansion joints located adjacent to colored or stained concrete shall be sealant Type "A" colored to match the color of the concrete surface.

Contractor shall provide joint sealants that have been produced and installed to establish and to maintain watertight and airtight continuous seals without causing staining or deterioration of joint substrates.

Contractor shall submit product data from the manufacturer of each joint sealant product required, including instructions for joint preparation and joint sealer application. Contractor shall also submit samples for initial selection purposes in form of manufacturer's standard bead samples, consisting of strips of actual products showing full range of colors available, for each product exposed to view. Samples shall be submitted to Engineer. Submit complete schedule of type (and location where type is to be used) of each sealant.

Contractor shall engage an experienced installer who has completed joint sealant applications similar in material, design, and extent to that indicated for Project that have resulted in construction with a record of successful in-service performance.

Provide joint sealants, joint fillers, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.

Provide color selections made by Engineer from manufacturer's full range of standard colors for products of type indicated. Sealant color parallel to curb line shall match color of adjacent paving as specified in Section 201-1.2.4(a) of the Greenbook.

ADD:

206-7.1 Disabled Parking Sign.

Signs shall be fabricated in conformance with the SDM-117 standards for signs.

ADD:

201-9 WATER BASE PENETRATING SEALER FOR INTEGRAL COLORED CONCRETE:

**201-9.1 General.** Water base penetrating sealer shall be a sealer designed for the protection of colored and natural concrete. Sealer shall be Scofield Colorcure Concrete Sealer, or approved equivalent.

Water base penetrating sealer shall be a sealer designed for the protection of imprinted, colored and natural concrete, and other masonry surfaces to preserve the natural appearance of the masonry without darkening or adding gloss to the surface. It shall preserve the natural slip resistance of the concrete, etc. Sealer shall repel spills and soils, minimizing staining and maintenance.

Seal shall leave no visible material on the surface and shall be absorbed and locked into the pores of the masonry, repelling liquids and soils but leaving the top surface natural in appearance. Install per manufacturer's directions. Seal shall be compatible with the surfaces and materials which it is applied. Concrete sealer shall conform to the following specifications:

Color: Clear, non-yellowing

Odor: Mild

Flash Point: None (C.O.C. method)

Specific Grav.: 1.03

Density: 8.6 pounds per gallon
Drying Time: 30 minutes to 60 minutes

Cure Time: 24 to 48 hours

VOC Content: None (0 g/l) excluding water
Polymer Type: Proprietary Reactive Resin System

Coverages (approximate):

Smooth Concrete: 300 to 400 square feet per gallon Rough Concrete: 200 to 300 square feet per gallon

Note: Coverages vary depending on porosity and condition of surface and method

of application.

Methods of Application: Airless sprayer

**Manufacturer.** Manufacturer of Scofield Colorcure Concrete Sealer, or approved equivalent shall be:

L. M. Scofield Company 6533 Bandini Boulevard Los Angeles, California 90040 1-800-800-9900

All materials shall be furnished, prepared, applied, cured, and stored according to the product manufacturer's direction.

## ADD:

- **210-6 Anti-graffiti coatings.** ADD the following:
  - 3. Anti-graffiti coating shall be applied to all masonry site furnishings, including benches, drinking fountains, restroom building, etc.
- 212-1 LANDSCAPE MATERIALS.
- 212-1.2 Soil Fertilizing And Conditioning Materials.
- **212-1.2.2 Manure.** DELETE entirely:
- **212-1.2.3 Commercial Fertilizer.** ADD the following:

Pre-plant fertilizer shall be granular commercial fertilizer 12-12-12 or approved equivalent.

Post-plant fertilizer shall be 14-7-3 or approved equivalent with CA, FE, ZN, and MN and with the majority of nitrogen in non-ammoniac form to prevent acidification of soil.

## **212-1.2.4 Organic Soil Amendment.** First paragraph, ADD the following:

Contractor shall supply the Resident Engineer with a 2 cu. ft. sample of the proposed amendment accompanied by Laboratory Analytical Analysis from an approved laboratory illustrating degree of compliance. Guarantee - wt./cu./yd. - 560#-820#. Nitrogen (organic or ammoniac) 0.5% pH (less than) 6.5. Salinity (ec x 10 at 25 c) = 2.5. Iron (fe) expressed as metallic 0.01%. Density - approximately 25 lb.cu.ft. Organic matter - 85%. A non-ionic wetting agent should be used. Properties: screen analysis: % retained on stacked screens - 1 mesh = 0.2%, 5 mesh = 36.6%, 8 mesh = 25.7%, 12 mesh = 30.7%, 32 mesh = 5.9%; remainder = 0.9%. (Shall be similar or equal to Wil Gro Life, A-1 Soils "Life Like", Loamex), or "Numex" by John Deere.

Type 4 organic soil amendment (hydromulch soil amendment) shall be 'Sarvon' liquid soil conditioner by Hydroscape, or approved equivalent.

Type 5 organic soil amendment (Mycorrhizal Inoculum) provide an organic Arbuscular Mycorrhizal Inoculum containing one or more species of mycorrhizae fungi at a minimum rate of 120 propagules per cubic centimeter. Acceptable Mycorrhizal Inoculum Product: "AM120" by Reforestation Technologies International, or approved equal.

## **212-1.2.5 Mulch.** Paragraph (g), ADD the following:

Average dimensions shall be 1" to 2" in length and 1/2" in thickness. Submit two (2) samples for approval by the Resident Engineer prior to installation.

# **212-1.2.6 Inorganic Soil Amendments.** ADD the following:

Soil sulfur. Soil sulfur shall be 99.5% elemental. Sizing on stacked screen shall be approximately: 8 mesh 4.3%; 20 mesh 7.8%; 50 mesh 46.9%; 100 mesh 39.3%; 200 mesh 1.7%.

#### ADD:

## 212-1.2.7 Herbicides and Pesticides.

Herbicides and pesticides shall be used in their appropriate applications with strict adherence to manufacturers' specifications and instructions.

Pre-emergent herbicide for shrub and groundcover areas (planted from flats) shall be Treflan, Surflan, Eptan, or approved equivalent.

The Contractor shall obtain approval for any and all pesticide and herbicide use in writing from the Resident Engineer. All pesticides and herbicides shall be used in strict adherence to manufacturers' specifications and instructions, and shall be applied only by a licensed applicators.

Post-emergent herbicide for all areas shall be Round Up, Diquat, Montar, or approved equivalent, except for areas where it may contact standing or running water.

Post-emergent herbicide for all areas where herbicide may come in contact with standing or moving water shall be Aquamaster, Rodeo, or approved equal specifically approved for use near water bodies. These herbicides are approved for use within the riparian areas by the City and County of San Diego because it has been determined to be non-toxic to aquatic organisms. Other herbicides shall be approved by the City and County of San Diego prior to use on only the most noxious weeds, and only under the direct supervision of the Resident Engineer/Project Biologist.

All herbicides shall be selected for suitability for the specific uses required, and shall be applied by a licensed pesticide applicator.

## **Seed.** Second paragraph, ADD the following:

Seed specified as "Scarified" shall be certified in vendor's statement. Legume seeds shall be scarified.

#### ADD:

#### 212-1.3.1 Grass Seed.

Seed shall be a blend of 50% pseudo-stoloniferous perennial ryegrass, and 40% Improved Common Bermuda and 10% Kentucky Bluegrass, or approved equal. Seed shall be fresh, clean, and free of weed seed. Seed at a rate of 9 lbs/1,000 square feet.

#### 212-1.4 Plants.

## **212-1.4.1 General.** ADD the following:

Contractor shall notify the Resident Engineer a minimum of 48 hours before each plant delivery so the Resident Engineer can schedule a review.

Availability: Within 2 weeks of the start of work, the Contractor shall place orders for all plant material in sufficient time to reserve or grow the plants for the project. No substitutions will be allowed. If plants are not available, the Contractor shall have the specified species contract grown by a reputable native plant nursery such as Las Pilitas, Tree of Life, or Recon, or approved equal. Provide nursery name and resume for review and approval prior to contract growing.

Quality And Size: Plants shall be in accordance with the California State Department of Agriculture Regulations for Nursery Inspections of Rules and Grading. Nursery tags must be submitted to the Landscape Architect. Sizes shall conform to the dimensions indicated on the planting plan. All plants shall be reviewed and approved for acceptable size and quality by Engineer prior to planting.

All plants shall have a growth habit normal to the species and shall be symmetrical, typical for variety and species, sound, healthy, vigorous and free from insect pests, insect eggs, plant diseases, sun scalds, fresh bark abrasions, excessive abrasions, or other objectionable disfigurements.

All plants shall have normal well-developed branch systems, and vigorous and fibrous root systems which are neither root- nor pot-bound and are free of kinked or girdling roots.

Immediately upon award of contract for work in this section, locate and purchase or hold for purchase all trees required. Color photos of all trees shall be submitted to Engineer for approval a minimum of 15 days prior to delivery of the plants to the site. The Engineer reserves the right to reject any plant species upon conducting a physical inspection after delivery to the site.

Quantities: Quantities of all plant materials shall be furnished as needed to complete work as shown on the Drawings.

Inspection of plant materials required by City, County or State authorities, shall be the responsibility of the Contractor, and where necessary, permits or certificates shall have been secured prior to delivery of plans to site.

The Resident Engineer/Architect is the sole judge as to acceptability of each plant. Vigorous, healthy, well-proportioned plants are the intent of this specification. Plants which are even moderately "overgrown," or are showing signs of decline or lack of vigor are subject to rejection. The size of the plants will correspond with that normally expected for species and variety of commercially available nursery stock, or as specified in the special conditions or drawings. Plants larger in size than specified may be used with the approval of the Architect, but the use of larger plants will make no change in contract price. If the use of larger plants is approved, the ball of earth and spread of roots for each plant shall be increased proportionately.

Rejection Or Substitution: The Resident Engineer/Landscape Architect reserves the right to reject any plant material found to be defective or not in conformance with plans and specifications. Plants shall be subject to inspection and approval or rejection at the project site at any time before or during progress of work, for size, variety, condition, latent defects, and injuries. All plants not conforming to the requirements herein specified shall be considered defective, and such plants, whether in place or not, shall be marked as rejected and immediately removed from the site and replaced with new plants by the Contractor at his expense. Rejected plant material shall be replaced within one week of written notice, unless otherwise approved by the Resident Engineer.

Substitutions will not be permitted except if proof is submitted that any plant specified is not obtainable, then a proposal will be considered for use of the nearest equivalent size or variety and cost. All substitutions are subject to Resident Engineer's written approval.

Right To Changes: The Landscape Architect reserves the right to change the species, variety, and/or sizes of plant material to be furnished, provided that the cost of such plant changes do not exceed the cost of plants in the original bid, and with the provision that the Contractor shall be notified, in writing, at least thirty (30) days before the planting operation has commenced.

## **212-1.4.2 Trees.** ADD the following:

All trees (24" box, 36" box) shall:

- a) Be of the specified type and size as indicated on the Drawings, selected from high quality, well-shaped and proportioned Southern California-grown nursery container stock. Field grown stock grown in climatic regions which are different (as determined by the Resident Engineer) to those conditions found at the project site, shall have been acclimated to a climate similar to their intended locations prior to delivery and shall be accompanied by letter and/or certificate from the nursery that the plant materials are suitable for said locations or they will not be accepted.
- b) Have grown in containers for sufficient time to permit full rooting within the container to bind the soil but not so long as to create a rootbound condition. No container plants that have cracked or broken balls of earth, when taken from the container, shall be planted. No plants with damaged roots, broken root balls, or root bound, when taken from the container shall be planted.
- c) Have a main leader branch and not have a co-dominant branching structure, unless the tree is intended to be multi-trunk.
- d) Be free of weeds, native grasses, Bermuda grass, and Kikuyu grass.

## **212-1.4.3 Shrubs.** ADD the following paragraphs:

Field grown stock grown in climatic regions which are different (as determined by the Resident Engineer) to those conditions found at the project site, shall have been acclimated to a climate similar to their intended locations prior to delivery and shall be accompanied by letter and/or certificate from the nursery that the plant materials are suitable for said locations or they will not be accepted.

Contractor shall assure that shrubs grown in containers for sufficient time to permit full rooting within the container to bind the soil but not so long as to create a root bound condition. No container plants that have cracked or broken balls of earth, when taken from the container, shall be planted. No plants with damaged roots, broken root balls, or root bound, when taken from the container shall be planted.

Shrubs shall be free of weeds, native grasses, Bermuda grass, and Kikuyu grass.

Shrubs shall be full and bushy to ground.

Groundcover plants shall be healthy, vigorous, rooted cuttings grown in flats or 1 gallon cans until transplanting. The soil and spacing of the plants in the container shall ensure the minimum disturbance of the root system at time of transplanting.

# **212-1.5.3 Tree Stakes.** First paragraph, second sentence, REPLACE with the following:

Tree stakes shall be two (2) inch diameter lodge pole pine of lengths required, pointed on end, and minimum 10' in length.

#### ADD:

#### 212-1.5.4 Tree Ties.

Tree ties shall be commercially manufactured of virgin flexible vinyl meeting ASTM-D-412 standards for tensile and elongation strength. Material shall be manufactured with a double back locking configuration and secured with one galvanized nail to prevent slippage. Material shall be ultraviolet resistant. Minimum length shall be twenty (20) inches. Tree ties shall be "Cinch-Tie" by V.I.T., or approved equivalent.

## ADD:

## 212-1.10 Perforated Pipe.

Perforated pipe for tree drain: Poly vinyl chloride SDR35 perforated pipe. Perforated pipe shall meet ASTM F-758 and AASHTO M-219. Pipe be supplied with a spun bonded filter sleeve to protect pipe from soil intrusion.

#### 212-2 IRRIGATION SYSTEM MATERIALS.

## 212-2.1 Pipe and Fittings.

## **212-2.1.5 Copper Pipe.** DELETE in its entirety and SUBSTITUTE with the following:

Copper pipe shall be Type "L" in accordance with ASTM B 88; brass pipe; brass piping shall be I.P.S. red brass; solder: 50/50 lead and tin.

## 212-2.2 Valves and Valve Boxes.

## **212-2.2.7 Valve Boxes.** ADD the following:

Valve boxes shall be sized accordingly to allow wires in pull boxes to be loose and maintain a three inch (3") clearance from the lid.

## **212-2.4 Sprinkler Equipment.** ADD the following:

All materials and equipment used in all irrigation work shall be new and without flaws or defects and of quality and performance as specified. Prior to installation of any irrigation work, the Contractor shall submit, for approval by the City, five copies, minimum, of a list of all materials and equipment (s)he proposes to use. Should the Contractor propose to use materials or equipment other than those listed as approved, the Contractor shall submit in writing to the City a request to deviate from the approved list. Samples of the materials or equipment shall accompany the request to assist the evaluation of the proposal.

Anti-drain valves shall be installed as indicated on plans. The anti-drain valve shall be the same diameter size as the riser and shall be integrated into the riser assembly (under each head). Valve shall be "Valcon ADV-XS", Hunter, or an approved equivalent.

## ADD:

## 213-3 Filter Fabric (Soil Separation).

Contractor shall provide filter fabric for soil separation purposes around all drain rock to separate drain rock from all other materials, such as gravel or soils. Filter fabric shall be a needle-punched, heat-bonded, non-woven polypropylene, UV resistant, permeable geotextile fabric with a flow rate of 110 gpm. Puncture strength shall be ASTM D 4833: 95lbs. Grab Tensile strength shall be ASTM D 4632 160

lbs. Fabric shall be Mirafi160N, or approved equal, as approved by the Resident Engineer. Apply fabric under play area sand and surfacing, decomposed granite and wrap all perforated drain lines and drainage sumps, as indicated on plans and details. See Section 300-10 for installation.

#### ADD:

#### **SECTION 218 - SITE FURNISHINGS**

#### 218-1 BENCH W/ BACK.

Benches shall be furnished and installed at locations shown on the Contract Drawings. Benches shall be made of recycled materials, and manufactured in the USA. Benches shall be the following or an approved equal:

Model No.: Q1PAS84B(S), Straight precast concrete bench with back and center concrete arm rest; or approved equal.

Color: C3 'Latte' integral colored concrete

Finish: T2-Light Sand Blast: vertical surfaces; T1-smooth: horizontal

surfaces;

Sealer: No manufacturer sealer applied Concrete mix: GEN2 80% recycled concrete

Anti-Graffiti: Field applied per Section 210 'Paint and Protective Coatings'

Attachment: Surface-mounted – epoxy in place

No. of units: (5)
Game board: None
Umbrella hole: None

Manufacturer: Quick Crete Products Corp., Inc. (951) 737-6240

731 Parkridge Avenue

Norco, CA 92860

www.quickcrete.com

#### 218-2 TRASH RECEPTACLE.

Trash receptacles shall be precast concrete units with metal top, TGIC powder-coat 'Blue' standard finish, and high-density 36-gallon plastic inner liner, or approved equivalent. Trash receptacles shall be made of 100% recycled materials and manufactured in the USA. Provide shop drawings and paint color for approval. Attachment shall comply with Manufacturer's recommendations. Installations shall be surface mounted and vandal-proof.

Model No.: QS-CAL2550SDW, Precast concrete square trash receptacle with concrete top and locking steel side door, or approved equal.

Color: C3 'Latte' integral colored concrete

Finish: T2 - Light Sand Blast

Sealer: No manufacturer sealer applied Concrete mix: GEN2 80% recycled concrete

Ant-Graffiti: Field applied per Section 210 'Paint and Protective Coatings'

Attachment: Surface-mounted – epoxy in place

Manufacturer: Quick Crete Products Corp., Inc. (951) 737-6240

731 Parkridge Avenue Norco, CA 92860 www.quickcrete.com

ADD:

#### 218.3 DRINKING FOUNTAIN.

#### 218-3.1 General.

Drinking Fountain: Haws Model 3300G, with sand trap (#6611), or an approved equal, is a "Hi-Lo", barrier free, pedestal drinking fountain shall include an 11-guage galvanized steel pedestal, polished stainless steel basins, push-button operated valves with front-accessible cartridge and flow adjustment, polished chrome-plated brass vandal resistant shielded bubbler head, 10-0% lead-free waterways polished chrome-plated vandal resistant waste strainers with top-down clean-out access, vandal resistance access plates, integral mounting feet, and 1-1/2" slip waste.

#### 218-3.2 Concrete Valve Box.

Concrete Valve Box. Provide a 21"x15-1/2"x12" concrete valve box with locking lid for freeze-resistant apparatus for each drinking fountain. Valve box shall be installed in planting areas nearest the drinking fountain, square with the concrete edge, in location indicated on the plans. Lid shall be marked with 'WATER' on lid. Contractor may propose alternative location for valve box, but only upon written approval by the Resident Engineer. Install per manufacturer's recommendations.

# 218-3.3 Water Supply Line.

Contractor shall provide and install an extension of the supply line, from potable water line to new drinking fountain location. Contractor shall provide all supply line piping and fittings, drainage line piping and fittings, drain rock, soil separation fabric and other materials as listed on the drawing in locations indicated. Provide Type K copper piping and fittings from existing supply line to new drinking fountain. All work shall be installed in compliance with the local plumbing codes.

## 218-3.4 Drainage Head Wall and Outlet.

Contractor shall provide a concrete head wall and outlet within the existing turf area at location as indicated on the Grading Plan. Soil coverage above the drainline and headwall shall vary depending on the length of run of the pipe, but minimally 12" in depth if traversing through the turf area.

#### 218-4 BIKE RACK

Bike racks shall be manufactured steel tubing as specified, or equal, as approved by the Resident Engineer. Bike racks shall be located and furnished as shown on the Contract Drawings. Bike racks shall be:

Manufacturer: LA Steelcraft (800) 371-2438

Product: Model no: WLBR-9, 7'-long wave style bike rack. Bike racks

shall be single-piece, embedment-mount units, or approved

equivalent.

Finish: Galvanized finish.

#### 218-5 REMOVABLE BOLLARD.

Bollards shall be furnished and installed at locations shown on the Contract Drawings. Bollards shall be made of recycled materials, and manufactured in the USA. Bollard sleeve shall be galvanized steel. Bollards shall be the following or an approved equal:

Model No.: QR-8B-R, removable with manufacturer-supplied sleeve

Color: C3 'Latte' integral colored concrete
Finish: T2-Light Sand Blast: all surfaces
Sealer: No manufacturer sealer applied

Concrete mix: GEN2 80% recycled concrete

Anti-Graffiti: Field applied per Section 210 'Paint and Protective Coatings'

Attachment: Sleeve - embedment mounted

No. of units: (2)

Manufacturer: Quick Crete Products Corp., Inc. (951) 737-6240

731 Parkridge Avenue Norco, CA 92860

www.quickcrete.com

## 218-6 2-5 TOT LOT PLAY STRUCTURE.

218-6.1 2-5 Tot Lot Play Structure shall be model no. 56477-1-4-2 (2-5 Area), by Landscape Structures Inc. or an approved equal, Coast Recreation Inc. (714) 619-0100.

**General:** All materials shall be structurally sound and suitable for safe play. Durability shall be ensured on all steel parts by the use of time-tested coatings such as zinc plating, galvanizing, ProShield finish, TenderTuff coating, etc. Colors shall be provided as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F879 unless otherwise indicated (see specific product installation/specifications). All primary fasteners shall include a locking patch-type material that will meet the minimum torque requirements of IFI-125. Manufacturer to provide special tools for pinned tamperproof fasteners.

TenderTuff Coating: Metal components to be TenderTuff-coated shall be thoroughly cleaned in a hot phosphatizing pressure washer, then primed with a water-based thermosetting solution. Primed parts shall be preheated prior to dipping in UV-stabilized, liquid polyvinyl chloride (PVC), then salt cured at approximately 400 degrees. The finished coating shall be approximately .080" thick at an 85 durometer with a minimum tensile strength of 1700 PSI and a minimum tear strength of 250 pounds/inch. Four standard colors are available all with a matte finish. (Brown only for HealthBeat). Not applicable for Evos.

ProShield Finish: All metal components with ProShield finish shall be thoroughly cleaned and phosphatized through a five-stage power washer. Parts are then thoroughly dried, preheated and processed through a set of automatic powder spray guns where a minimum .002" of epoxy primer is applied. A minimum .004" of architectural-grade Super-Durable polyester TGIC powder is applied. The average ProShield film thickness is .006". ProShield is formulated and tested per the following ASTM standards. Each color must meet or exceed the ratings listed below:

Hardness (D3363) rating 2H

Flexibility (D522) pass 1/8" mandrel

Impact (D2794) rating minimum 80 inch-pounds

Salt Fog Resistance (B117 and D1654) 4,000 hours and rating 6 or greater

UV Exposure (G154, 340 bulb) 3,000 hours, rating delta E of 2, and 90 percent gloss retention

Adhesion (D3359, Method B) rating 5B

The Paint Line shall employ a "checkered" adhesion test daily.

Eighteen standard colors are available. Colors shall be provided as indicated on plans.

Decks: All Tenderdecks shall be of modular design and have 5/16" diameter holes on the standing surface. There shall be a minimum of (4) slots in each face to accommodate face mounting of components. Tenderdecks shall be manufactured from a single piece of low carbon 12 GA (.105") sheet steel conforming to ASTM specification A-1011. The sheet shall be perforated with a return flange on the perimeter to provide the reinforcement to ensure structural integrity. There shall be no unsupported area larger than 3.5 square feet. The deck units shall be TenderTuff-coated in 'Brown' color only. Tenderdecks shall be designed so that all sides are flush with the outside edge of the supporting posts. Not applicable for Evos, Weevos or HealthBeat.

Rotationally Molded Polyethylene Parts: These parts shall be molded using prime compounded linear low-density polyethylene with a tensile strength of 2500 psi per ASTM D638 and with color and UV-stabilizing additives. Wall thickness varies by product from .187" (3/16") to .312" (5/16"). Five standard colors are available (Black only for HealthBeat).

Permalene Parts: These parts shall be manufactured from 3/4" high-density polyethylene that has been specially formulated for optimum UV stability and color retention. Products shall meet or exceed density of .960 G/cc per ASTM D1505, tensile strength of 2400 PSI per ASTM D638. Five standard solid colors are available. Some Permalene parts are available in a two-color product with (2) .100" thick exterior layers over a .550" interior core of a contrasting color. Eight standard two-color options are available. Not applicable for Evos or HealthBeat.

Recycled Permalene® Parts: These parts shall be manufactured from 3/4" high-density polyethylene that has been specially formulated for optimum UV stability and color retention. Products shall meet or exceed density of .960 G/cc per ASTM D1505, tensile strength of 2400 PSI per ASTM D638. Available in a three-layer product with (2) .100" thick colored exterior layers over a .550" thick 100% recycled Black interior core. Colors shall be (Blue/Black, Yellow/Black, Red/Black, Green/Black and Tan/Black). Not applicable for Evos or HealthBeat.

Footings: Unless otherwise specified, the bury on all footings shall be 34" below Finished Grade (FG) on all in-ground play events/posts. Other types of anchoring are available upon request.

Hardware Packages: All shipments shall include individual component-specific hardware packages. Each hardware package shall be labeled with the part number, description, a component diagram showing the appropriate component, package weight, a bar code linking the hardware package to the job number, assembler's name, date and time the package was assembled, work center number, and work order number.

Installation Documentation: All shipments shall include a notebook or packet of order-specific, step-by-step instructions for assembly of each component, including equipment assembly diagrams, estimated hours for assembly, footing dimensions, concrete quantity for direct bury components, fall height information, area required information and detailed material specifications.

Packing List: All shipments shall include a packing list for each skid/container, specifying the part numbers and quantities on each skid or within each container.

Packaging: PlayBooster posts shall be individually packaged in sturdy, water-resistant, mar-resistant cardboard boxes. Other components shall be individually wrapped or bulk wrapped to provide protection during shipment. Small parts and hardware packages will be placed in crates for shipment. The components and crates are then shrink-wrapped to skids (pallets) to ensure secure shipping.

Maintenance Kit: An order-specific maintenance kit shall be provided for each structure order. The kit will include a notebook or packet with a second set of installation documents and order-specific maintenance documentation with recommendations on how often to inspect, what to look for and what to do to keep the equipment in like-new condition. The kit also includes touch-up primer, appropriate color touch-up paint, sandpaper, appropriate color touch-up PVC, graffiti remover and additional installation tools for the tamperproof fasteners.

## (PB) PlayBooster General Specifications:

(PB) General Specifications: Posts: Post length shall vary depending upon the intended use and shall be a minimum of 42" above the deck height. All posts shall be ProShield finished, colors as indicated on plans. All posts shall have a "finished grade marker" positioned on the post identifying the 34" bury line required for correct installation and the top of the loose fill protective surfacing. Top caps for posts shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self sealing rivets.

A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the post to increase the footing area.

Steel Posts: All steel PlayBooster posts are manufactured from 5" O.D. tubing with a wall thickness of .120" and shall be galvanized after rolling and shall have both the I.D. and the cut ends sprayed with a corrosion resistant coating. Steel posts colors shall be as indicated on plans.

Steel Post Mechanical Properties:

Yield Strength (min): 50,000 PSI Tensile Strength (min): 55,000 PSI

% Elongation in 2 inches: 25

Modulus of Elasticity: 29.5 x 1,000,000 PSI

Aluminum Posts: All aluminum PlayBooster posts are manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Posts shall have a 5" outside diameter with a .125" wall thickness.

Aluminum Post Mechanical Properties:

Yield Strength (min): 35,000 PSI

Tensile Strength (min): 38,000 PSI

% Elongation in 2 inches: 10

Modulus of Elasticity: 10 x 1,000,000 PSI

Clamps: All clamps are ProShield finished and, unless otherwise noted, shall be die cast using a 369.1 aluminum alloy and have the following mechanical properties:

Ultimate Tensile: 47,000 PSI Yield Strength: 28,000 PSI Elongation: 7% in 2 inches Shear Strength: 29,000 PSI Endurance Limit: 20,000 PSI

Each functional clamp assembly shall have an appropriate number of half clamps and shall be fastened to mating parts with (2) 3/8" x 1 1/8" pinned button head cap screws (SST) and (2) stainless steel (SST) recessed "T" nuts. A 1/4" aluminum drive rivet w/stainless steel pin is used to ensure a secure fit to the post.

PlayBooster clamps have three functional applications and shall be named as follows:

- 1.) Offset hanger clamp assembly.
- 2.) Deck hanger clamp assembly.
- 3.) Hanger clamp assembly.

Clamps colors shall be provided as indicated on plans.

Cable: Comprised of six-stranded and tempered Corocord cable with a polypropylene core. The galvanized steel wire cores of the six strands are inductively fused to polyamide coating, black in color.

PlayOdyssey Structural Frame: Post length of the double ladder/central column shall vary depending upon the deck height and shall be flush with the bottom of a deck infill or a minimum of 46" above the deck height. All posts shall be ProShield finished, color as indicated on plans. All posts shall have a "finished grade marker" positioned on the post identifying the 60" bury line required for correct installation and the top of the loose fill protective surfacing. Post caps shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self sealing rivets. A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the ladder posts to increase the footing area. Ladders are bolted together below grade to act as a single column for installation purposes. The deck support weldments/arms are comprised of 5/16" (.312") steel conforming to 1010 steel per ASTM A635 and welded to a 52" steel post. Arms are secured to each ladder post with (4) 5/8" x 1 1/2" pinned button head cap screws thru (2) 1/4" flanges.

PlayOdyssey Optional Aluminum Roof Posts: All formed aluminum PlayOdyssey roof posts are manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Posts shall have a 5" outside diameter with a .125" wall thickness. Post sleeve shall have 4.675" outside diameter with a .150" wall thickness. Post cap shall be aluminum die cast from 369.1 alloy and ProShield finished; Color shall be as indicated on plans. All caps shall be factory installed and secured in place with (3) self sealing rivets.

# 218-6.2 2-5 Play Structure Tot Lot Components.

Play structure shall include the following components:

130798A - Double Swirl Poly Slide 48"Dk DB

Mid-Support: Weldment comprised of 1.660" (42,16 mm) O.D. RS-20 (.085" - .095") (2,16 mm-2,41 mm) galvanized steel tubing and 1/4" x 3" (6,35 mm x 76 mm) mounting plate. Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Rail: Extruded from 1.125" ((28,58 mm) O.D. x .312" (7,92 mm) wall. 6005-T5 aluminum. Finish: ProShield, color as indicated on plans.

Hood: Rotationally molded from U.V. stabilized linear low density polyethylene, color as indicated on plans.

Rail Spacer: Fabricated from 1.312" (33,32 mm) O.D. x 16 GA (.065") (1,65 mm) steel tubing. Finish: ProShield, color as indicated on plans.

Slide: Rotationally molded from U.V. stabilized linear low density polyethylene, color as indicated on plans.

Support: Weldment comprised of 2.375" (60,33 mm) O.D. RS-20 (.095" - .105") (2,41 mm-2,66 mm) galvanized steel tubing and 1/4" x 3" (6,35 mm x 76 mm) mounting plate. Finish: ProShield, color as indicated on plans.

145839A - Critter Canyon DB

Clamps: Cast aluminum; Finish: ProShield, color as indicated on plans.

Critter Canyon: Rotationally molded from U.V. stabilized linear low density polyethylene, color as indicated on plans.

Support: Weldment comprised of 1.660" (42,16 mm) O.D. RS20 (.085"-.095") (2,16 mm-2,41 mm) galvanized steel tubing and fabricated 11 GA. (.120") (3,04 mm) 304 stainless steel plate. Finish: ProShield; color to match post color as specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Insect Panel: Two color panel measures 39 1/2" (1003,3 mm)wide x 31 3/16" (792,15 mm) high, color as indicated on plans.

175181D - Mushroom Stepper 40"Deck w/2 Recycled Wood-Grain Handholds 1 Handloop and 1 Handrail DB Only

Poly Board: Recycled high-density polyethylene, cedar or mink in color, color as indicated on plans.

Clamps: Cast aluminum; Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Handloop: Weldment comprised of 1.125" (28,58 mm) O.D. x 11 GA (.120") (3,04 mm) steel tubing with 203 or 303 stainless steel inserts, with 3/8" (9,53 mm) internal thread. Finish: TenderTuff, color as indicated on plans.

Handrail: Weldment comprised of 1.125" (28,58 mm) O.D. x 11 GA (.120") (3,04 mm) steel tubing with 203 or 303 stainless steel welded inserts with 3/8" (9,53 mm) internal threads. Finish: TenderTuff, color as indicated on plans.

Handhold Frame: Weldment comprised of 1.125" (28,58 mm)O.D. 11 GA. (.120") (3,04 mm) steel tubing with 203 or 303 stainless steel inserts, with 5/8" (15,88 mm) internal threads and 1/4" (6,35 mm) HRPO steel plate. Finish: ProShield, color as indicated on plans.

GFRC Mushroom Assembly: (Support) Comprised of 2 3/8" (60,33 mm) O.D. RS40 (.130"-.140") (3,30 mm-3,56 mm) wall galvanized steel tubing. Finish: ProShield, color as indicated on plans. (Mushroom Climber) Glass reinforced wet cast solid pour concrete product. Finish: Latex paint made for concrete, natural colors.

Spacer: Extruded from 1.125" (28,58 mm) O.D. x .290" (7,37 mm) w. 6061-T6 aluminum. Finish: ProShield, color as indicated on plans.

#### 111240A - Balcony Deck

Barrier: Weldment comprised of 5/8" (15,87 mm) solid steel vertical rails, 1 1/8" (28,57 mm) O.D. steel horizontal rails with 203 or 303 stainless steel welded inserts with 5/8" (15,87 mm) internal threads. Finish: TenderTuff, color as indicated on plans.

Deck: Fabricated from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,93 mm) diameter holes perforated. The finished size measures 2 5/8" x 34" (66,67 mm x 863 mm) (straight edge) x 17" (431 mm) radius (curved edge). Finish: TenderTuff, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

#### 115243A - Chimes Panel Above Deck

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Angled Panel Bracket: Weldment comprised of .190" (4,83 mm) thick 5052 aluminum formed angle with (2) 6005-T5 aluminum threaded tubes 1 1/8" (28,58 mm) O.D. x 1 1/2" (38,1 mm) long. Finish: ProShield, color as indicated on plans.

Chimes: Fabricated from 6063-T832 aluminum. Finish: Anodized per Mil - A - 8625 type 2, class 1.

Permalene Panel: Solid color panel measures 35 5/8" (904,88 mm) wide x 41" (1041 mm) high, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

No Material Spec for 115235B

130565A - Table Panel DB

Access Clamp: Weldment comprised of 1/4" (6,35 mm) flat steel and 1/4" x 1 3/4" (6,35 mm x 44,45 mm) wide steel clamp. Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Half Clamp: Cast aluminum. Finish: ProShield, color as indicated on plans.

Support Leg: Weldment comprised of 2.375" (60,33 mm) O.D. RS-20 (.095" - .105") (2,41 mm-2,66 mm) galvanized steel tubing and 1/4" x 2 1/2" x 9" (6,35 mm x 63,5 mm x (229 mm) flat plate. Finish: ProShield, color as indicated on plans.

Table End Panel: Solid color panel measures 34" (864 mm) wide x 13 3/8" (339,73 mm) high, color as indicated on plans.

Table Panel: Solid color panel measures 19 1/2" (495,3 mm) wide x 34 3/4" (882,65 mm) long, color as indicated on plans.

Frame: Weldment comprised of 3/16" x 2" x 1 1/4" (4,75 mm x 51 mm x 31,75 mm) HRS angle and 3/16" x 2" (4,75 mm x 51 mm) flat steel bar. Finish: ProShield, color matched to posts.

Table Top Bracket: Fabricated from 1/4" x 3 1/2" x 28 9/16" (6,35 mm x 88,9 mm x 725,47 mm) HRPO flat steel. Finish: ProShield, color matched to posts.

120818A - Playstructure Seat

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Seat: Flange formed from 11 GA (.120") (3,04 mm) sheet steel. Seating surface is perforated with 1/4" (6,35 mm)diameter holes. Finish: TenderTuff, color as indicated on plans.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

178469A - Palm Tree Accent Topper Custom Express

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Leaves: Fabricated from 10 GA. (.135") (3,43 mm) HRPO flat steel. Finish: ProShield, color as indicated on plans.

Roof Extension: Weldment comprised of 5.000" (127 mm) O.D. x 11 GA. steel tube, 4.5/8" (117,47 mm) O.D. x 3/16" (4,75 mm) wall steel tube, 3/16" (4,75 mm) HRPO steel plate and 5" (127 mm) aluminum post cap. Finish: ProShield, color as indicated on plans.

Roof Gusset: Fabricated from 12 GA. (.105") (2,67 mm) HRPO flat steel. Finish: ProShield, color as indicated on plans.

118110A - Square Poly Roof Standard Logo Panels

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Poly Roof: Rotationally molded from U.V. stabilized linear low density polyethylene, color as indicated on plans.

Roof Logo: Two color roof logo measures 41" (1041 mm) wide x 5 1/8" (130,18 mm) high, color as indicated on plans.

Roof Sleeve: Cast from A356 aluminum alloy.

152911A - Curved Transfer Module Left 32"Dk DB

Clamps: Cast aluminum.

Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Panels: Permalene, color as indicated on plans.

Railings: Weldment comprised of 1.125" (28,58 mm) O.D. x 11 GA. (.120") (3,04 mm) steel tubing with 203 or 303 stainless steel 3/8" (9,53 mm) threaded inserts. Finish: TenderTuff, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

Step Support: Weldment comprised of 1.660" (42,16 mm) O.D. RS-20 (.080" - .095") (2,03 mm-2,41 mm) galvanized steel tubing and 1 3/4" x 1 3/4" x 1/8" (44,45 mm x 44,45 mm x 3,17 mm) HR angle. Finish: ProShield, color as indicated on plans.

Step Sections/Top Step Section: Formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is 24 3/8" (619,13 mm) wide x 14" (355,6 mm) deep and is perforated with 5/16" (7,92 mm) diameter holes. Finish: TenderTuff, color as indicated on plans.

Deck Support: Weldment comprised of 3 1/2" (88,9 mm) O.D. RS-20 (.125") (3,17 mm) galvanized steel tubing and 3/8" (9,53 mm) O.D. x 5" (127 mm) long CRS rod. Finish: ProShield, color as indicated on plans.

Deck: Flange formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,92 mm) diameter holes and measures 29" (737 mm) per (2) sides. Finish: TenderTuff, color as indicated on plans.

121948A - Kick Plate 8"Rise

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Kick Plate: Fabricated from 11 GA (.120") (3,04 mm) HR flat steel. Finish: TenderTuff, color as indicated on plans.

## 111228A - Square Tenderdeck

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Square Deck: Flange formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,92 mm) diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 5/8" x 47" x 47" (66,68 mm x 1194 mm x 1194 mm). Finish: TenderTuff, color as indicated on plans.

111404F - 108"Alum Post DB

Post: See PlayBooster (PB) General Specifications.

111404E - 116"Alum Post DB

Post: See PlayBooster (PB) General Specifications.

111403F - 142"Alum Post For Roof DB

Post: See PlayBooster (PB) General Specifications.

111403D - 158"Alum Post For Roof DB

Post: See PlayBooster (PB) General Specifications.

No Material Spec for 105623

No Material Spec for 105624

No Material Spec for 105625

No Material Spec for 105626

152179A - Saddle Spinner DB 12"Height

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Spinner Seat: Rotationally molded from U.V. stabilized linear low density polyethylene measuring  $18\ 1/4$ " ( $463,55\ mm$ ) wide x 7" ( $178\ mm$ ) high, color as indicated on plans.

Rubber Gasket: Made from 50 durometer neoprene.

Shaft Assembly: (Spinner Seat Post) Weldment comprised of 2.875" (73,03 mm) O.D. RS40 (.160"-.170") (4,06 mm-4,32 mm) Wall galvanized steel tubing, 1.125" (28,58 mm) O.D. steel shaft, 12 Ga. (.105") (2,66 mm) HR flat steel and 1141 or 1144 steel collar. Finish: ProShield, color as indicated on plans. (Sleeve/Plate) Weldment comprised of 1/4" (6,35 mm) sheet HRPO steel and 2.875" (73,03 mm) O.D. schedule 80 steel tubing. Finish: ProShield, color as indicated on plans.

182503A - Welcome Sign (LSI Provided) Ages 2-5 years Direct Bury

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Sign Panel: Panel is fabricated from 11 GA. (.120") (3,05 mm) steel sheet. Finish: ProShield®, gray in color. (Sign) Digital image is transferred to a .120" (3,05 mm) thick ProShield coated steel plate, then infused into the ProShield.

Post: Weldment comprised 2.375" (60,33 mm) O.D. RS20 (.095-.105) (2,41 mm-2,67 mm) wall galvanized tube, 1/4" (6,35 mm) HRPO steel sheet and aluminum post cap. Finish: ProShield, color as indicated on plans.

No Material Spec for 105628

Warranty

#### 100-YEAR LIMITED WARRANTY

On all PlayBooster®, PlayShaper® and PlaySense® aluminum posts, stainless steel fasteners, clamps, beams and caps, against structural failure due to corrosion/natural deterioration or manufacturing defects, and on PlayBooster, Evos<sup>TM</sup> and Weevos<sup>TM</sup> steel posts and arches against structural failure due to material or manufacturing defects.

#### 15-YEAR LIMITED WARRANTY

On all plastic components (including TuffTimbers<sup>™</sup> edging), all steel components (except 100-year steel posts), Mobius® climbers, decks and TenderTuff<sup>™</sup> coatings (except Wiggle Ladders, Chain Ladders and Swing Chain) against structural failure due to material or manufacturing defects. TuffTurf® tiles against material or manufacturing defects.

#### 10-YEAR LIMITED WARRANTY

On concrete products against structural failure due to natural deterioration or manufacturing defects. Does not cover minor chips, hairline cracks or efflorescence.

## 8-YEAR LIMITED WARRANTY

On Aeronet<sup>TM</sup> climbers and climbing cables against defects in materials or manufacturing defects. On CoolToppers® fabric against failure from significant fading, deterioration, breakdown, mildew, outdoor heat, cold or discoloration. This warranty is limited to the design loads as stated in the specifications found in the technical information.

#### 3-YEAR LIMITED WARRANTY

On all other parts, i.e.: CableCore® products, swing seats and hangers, grills, Mobius climber handholds, Wiggle Ladders, Chain Ladders and Swing Chain, Track Ride trolleys and bumpers, all rocking equipment including Sway Fun® gliders, PVC belting material, HealthBeat™ hydraulic cylinders, Seesaws, Wiggle Ring Bridge, etc., against failure due to corrosion/natural deterioration or manufacturing defects.

This warranty does not include any cosmetic issues or wear and tear from normal use. It is valid only if the playstructures and/or equipment are erected to conform with Landscape Structures' installation instructions and maintained according to the maintenance procedures furnished by Landscape Structures Inc. For a full text of the warranty, contact your playground consultant.

#### 218-6.3 PRODUCT COMPLIANCE VERIFICATION.

At time of ordering the equipment, the Contractor shall verify with the manufacturer that play equipment meets current safety and access guidelines and requirements. The playground components and design were designed to comply with the ADAAAG Final Rule for Play Areas (<a href="http://www.access-board.gov/play/finalrule.txt">http://www.access-board.gov/play/finalrule.txt</a>, and <a href="http://www.access-board.gov/play/guide/guide.pdf">http://www.access-board.gov/play/guide/guide.pdf</a>). The contractor shall verify current compliance prior to ordering the equipment.

#### 218-7 PLAY STRUCTURE 5-12

218-7.1

5-12 Tot Lot Play Structure shall be model no. 56477-1-3-1 (5-12 Area), by Landscape Structures Inc. or an approved equal, Coast Recreation Inc. (714) 619-0100. General: All materials shall be structurally sound and suitable for safe play. Durability shall be ensured on all steel parts by the use of time-tested coatings such as zinc plating, galvanizing, ProShield finish, TenderTuff coating, etc. Colors as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F879 unless otherwise indicated (see specific product installation/specifications). All primary fasteners shall include a locking patch-type material that will meet the minimum torque requirements of IFI-125. Manufacturer to provide special tools for pinned tamperproof fasteners.

TenderTuff Coating: Metal components to be TenderTuff-coated shall be thoroughly cleaned in a hot phosphatizing pressure washer, then primed with a water-based thermosetting solution. Primed parts shall be preheated prior to dipping in UV-stabilized, liquid polyvinyl chloride (PVC), then salt cured at approximately 400 degrees. The finished coating shall be approximately .080" thick at an 85 durometer with a minimum tensile strength of 1700 PSI and a minimum tear strength of 250 pounds/inch. Four standard colors are available all with a matte finish. (Brown only for HealthBeat). Not applicable for Evos.

ProShield Finish: All metal components with ProShield finish shall be thoroughly cleaned and phosphatized through a five-stage power washer. Parts are then thoroughly dried, preheated and processed through a set of automatic powder spray guns where a minimum .002" of epoxy primer is applied. A minimum .004" of architectural-grade Super-Durable polyester TGIC powder is applied. The average ProShield film thickness is .006". ProShield is formulated and tested per the following ASTM standards. Each color must meet or exceed the ratings listed below:

Hardness (D3363) rating 2H

Flexibility (D522) pass 1/8" mandrel

Impact (D2794) rating minimum 80 inch-pounds

Salt Fog Resistance (B117 and D1654) 4,000 hours and rating 6 or greater

UV Exposure (G154, 340 bulb) 3,000 hours, rating delta E of 2, and 90 percent gloss retention

Adhesion (D3359, Method B) rating 5B

The Paint Line shall employ a "checkered" adhesion test daily. Eighteen standard colors are available.

Decks: All Tenderdecks shall be of modular design and have 5/16" diameter holes on the standing surface. There shall be a minimum of (4) slots in each face to accommodate face mounting of components. Tenderdecks shall be manufactured from a single piece of low carbon 12 GA (.105") sheet steel conforming to ASTM specification A-1011. The sheet shall be perforated with a return flange on the perimeter to provide the reinforcement to ensure structural integrity. There shall be no unsupported area larger than 3.5 square feet. The unit shall then be TenderTuff-coated brown only. Tenderdecks shall be designed so that all sides are flush with the outside edge of the supporting posts. Not applicable for Evos, Weevos or HealthBeat.

Rotationally Molded Polyethylene Parts: These parts shall be molded using prime compounded linear low-density polyethylene with a tensile strength of 2500 psi per ASTM D638 and with color and UV-stabilizing additives. Wall thickness varies by product from .187" (3/16") to .312" (5/16"). Five standard colors are available (Black only for HealthBeat).

Permalene Parts: These parts shall be manufactured from 3/4" high-density polyethylene that has been specially formulated for optimum UV stability and color retention. Products shall meet or exceed density of .960 G/cc per ASTM D1505, tensile strength of 2400 PSI per ASTM D638. Five standard solid colors are available. Some Permalene parts are available in a two-color product with (2) .100" thick exterior layers over a .550" interior core of a contrasting color. Eight standard two-color options are available. Not applicable for Evos or HealthBeat.

Recycled Permalene® Parts: These parts shall be manufactured from 3/4" high-density polyethylene that has been specially formulated for optimum UV stability and color retention. Products shall meet or exceed density of .960 G/cc per ASTM D1505, tensile strength of 2400 PSI per ASTM D638. Available in a three-layer product with (2) .100" thick colored exterior layers over a .550" thick 100% recycled Black interior core. Five standard color options are available (Blue/Black, Yellow/Black, Red/Black, Green/Black and Tan/Black). Not applicable for Evos or HealthBeat.

Footings: Unless otherwise specified, the bury on all footings shall be 34" below Finished Grade (FG) on all in-ground play events/posts. Other types of anchoring are available upon request.

Hardware Packages: All shipments shall include individual component-specific hardware packages. Each hardware package shall be labeled with the part number, description, a component diagram showing the appropriate component, package weight, a bar code linking the hardware package to the job number, assembler's name, date and time the package was assembled, work center number, and work order number.

Installation Documentation: All shipments shall include a notebook or packet of order-specific, step-by-step instructions for assembly of each component, including equipment assembly diagrams, estimated hours for assembly, footing dimensions, concrete quantity for direct bury components, fall height information, area required information and detailed material specifications.

Packing List: All shipments shall include a packing list for each skid/container, specifying the part numbers and quantities on each skid or within each container.

Packaging: PlayBooster posts shall be individually packaged in sturdy, water-resistant, mar-resistant cardboard boxes. Other components shall be individually wrapped or bulk wrapped to provide protection during shipment. Small parts and hardware packages will be placed in crates for shipment. The components and crates are then shrink-wrapped to skids, (pallets) to ensure secure shipping.

Maintenance Kit: An order-specific maintenance kit shall be provided for each structure order. The kit will include a notebook or packet with a second set of installation documents and order-specific maintenance documentation with recommendations on how often to inspect, what to look for and what to do to keep the equipment in like-new condition. The kit also includes touch-up primer, appropriate color touch-up paint, sandpaper, appropriate color touch-up PVC, graffiti remover and additional installation tools for the tamperproof fasteners.

## (PB) PlayBooster General Specifications:

Posts: Post length shall vary depending upon the intended use and shall be a minimum of 42" above the deck height. All posts shall be ProShield finished; color as indicated on plans. All posts shall have a "finished grade marker" positioned on the post identifying the 34" bury line required for correct installation and the top of the loose fill protective surfacing. Top caps for posts shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self sealing rivets. A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the post to increase the footing area.

Steel Posts: All steel PlayBooster posts are manufactured from 5" O.D. tubing with a wall thickness of .120" and shall be galvanized after rolling and shall have both the I.D. and the cut ends sprayed with a corrosion resistant coating.

**Steel Post Mechanical Properties:** 

Yield Strength (min): 50,000 PSI

Tensile Strength (min): 55,000 PSI

% Elongation in 2 inches: 25

Modulus of Elasticity: 29.5 x 1,000,000 PSI

Aluminum Posts: All aluminum PlayBooster posts are manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Posts shall have a 5" outside diameter with a .125" wall thickness.

Aluminum Post Mechanical Properties:

Yield Strength (min): 35,000 PSI

Tensile Strength (min): 38,000 PSI

% Elongation in 2 inches: 10

Modulus of Elasticity: 10 x 1,000,000 PSI

Arch Posts: Aluminum arch posts shall be manufactured from 6005-T5 alloy. The arch shall be formed to a 21" center line radius to complement the 42" center to center module. The arch shall be of one continuous piece construction. There shall be no welds or additional pieces mechanically fastened to manufacture the arch. Each arch shall be designed to provide a minimum of 90 1/2" clear span from the deck to the inside of the arch at the radius peak. Arches shall be ProShield finished; color as indicated on plans.

Clamps: All clamps are ProShield finished and, unless otherwise noted, shall be die cast using a 369.1 aluminum alloy and have the following mechanical properties:

Ultimate Tensile: 47,000 PSI Yield Strength: 28,000 PSI Elongation: 7% in 2 inches Shear Strength: 29,000 PSI Endurance Limit: 20,000 PSI Each functional clamp assembly shall have an appropriate number of half clamps and shall be fastened to mating parts with (2) 3/8" x 1 1/8" pinned button head cap screws (SST) and (2) stainless steel (SST) recessed "T" nuts. A 1/4" aluminum drive rivet w/stainless steel pin is used to ensure a secure fit to the post.

PlayBooster clamps have three functional applications and shall be named as follows:

- 1.) Offset hanger clamp assembly.
- 2.) Deck hanger clamp assembly.
- 3.) Hanger clamp assembly.

Cable: Comprised of six-stranded and tempered Corocord cable with a polypropylene core. The galvanized steel wire cores of the six strands are inductively fused to polyamide coating, black in color.

PlayOdyssey Structural Frame: Post length of the double ladder/central column shall vary depending upon the deck height and shall be flush with the bottom of a deck infill or a minimum of 46" above the deck height. All posts shall be ProShield finished to specified color. All posts shall have a "finished grade marker" positioned on the post identifying the 60" bury line required for correct installation and the top of the loose fill protective surfacing. Post caps shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self sealing rivets. A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the ladder posts to increase the footing area. Ladders are bolted together below grade to act as a single column for installation purposes. The deck support weldments/arms are comprised of 5/16" (.312") steel conforming to 1010 steel per ASTM A635 and welded to a 52" steel post. Arms are secured to each ladder post with (4) 5/8" x 1 1/2" pinned button head cap screws thru (2) 1/4" flanges.

PlayOdyssey Optional Aluminum Roof Posts: All formed aluminum PlayOdyssey roof posts are manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Posts shall have a 5" outside diameter with a .125" wall thickness. Post sleeve shall have 4.675" outside diameter with a .150" wall thickness. Post cap shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self sealing rivets.

## 218-7.2 5-12 Play Structure components.

Play structure shall include the following components (Partial List):

123331B - Double Poly Slide 48"Dk DB

Exit Support: Weldment comprised of 2.375" (60,33 mm) O.D. RS-20 (.095" - .105") (2,41 mm x 2,66 mm) galvanized steel tubing and 1/4" x 3" (6,35 mm x 76 mm) mounting plate. Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as specified.

Rail: Extruded from 1.125" ((28,58 mm) O.D. x .312" (7,92 mm) wall. 6005-T5 aluminum. Finish: ProShield, color as specified.

Hood: Rotationally molded from U.V. stabilized linear low density polyethylene, color as specified.

Rail Spacer: Fabricated from 1.312" (33,32 mm) O.D. x 16 GA (.065") (1,65 mm) steel tubing. Finish: ProShield, color as specified.

Slide: Rotationally molded from U.V. stabilized linear low density polyethylene, color as specified.

#### 123333A - Rollerslide 40"Dk DB

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Rail Spacer: Fabricated from 1.312" (33,32 mm) O.D. x 16 GA (.065") (1,65 mm) steel tubing. Finish: ProShield, color as indicated on plans.

Rail: 1 1/8" (28,58 mm) O.D. 6061-T6 aluminum extrusion with 5/16" (7,92 mm) walls. Finish: ProShield, color as indicated on plans.

Rollers: Fabricated from 1.900" (48,26 mm) O.D. x 16 GA (.060") (1,52 mm) galvanized steel tubing. Finish: TenderTuff, color as indicated on plans.

Hood: Rotationally molded from U.V. stabilized linear low density polyethylene, color as indicated on plans.

Rails: Extruded from 6005-T1 aluminum. Finish: ProShield, color as indicated on plans.

Roller Shafts: Fabricated from 1/2" (305 mm) diameter CRS zinc-plated with yellow chromate finish.

Support Leg: Fabricated from 1.900" (48,26 mm) O.D. RS-20 (.090" - .100") (2,28 mm-2,54 mm) galvanized steel tubing. Finish: ProShield, color as indicated on plans.

Top Plate: Formed from 10 GA (.135") (3,43 mm) 304-2B SST. Finish: TenderTuff, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

#### 122033A - SpyroSlide 72"Dk DB

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Rail: 1 1/8" (28,58 mm) O.D. 6061-T6 aluminum extrusion with 5/16" (7,92 mm) walls. Finish: ProShield, color as indicated on plans.

Barrier Plates: Fabricated from 1/4" x 1 1/2" (6,35 mm x 38,1 mm) zinc plated HR flat steel. Finish: ProShield, color as indicated on plans.

Center Column: Fabricated from 3.500" (88,9 mm) O.D. RS-20 (.120" - .130") (3,04 mm-3,30 mm) galvanized steel tubing. Finish: ProShield, color as indicated on plans.

Entrance Deck: Flange formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,92 mm) diameter holes and measures 31 3/4" (806,45 mm) wide x 36 27/32" (935,81 mm) long. Finish: TenderTuff, color as indicated on plans.

Exit Support: Weldment comprised of 2.375" (60,33 mm) O.D. RS-20 (.095" - .105") (2,41 mm-2,66 mm) galvanized steel tubing and 1/4" (6,35 mm) thick zinc plated HR flat steel. Finish: ProShield, color as indicated on plans.

Slide, Hood & Barriers: Rotationally molded from U.V. stabilized linear low-density polyethylene, color as indicated on plans.

Handbar: Formed from 7/8" (22,23 mm) O.D. x 11 GA (.120") (3,04 mm) black steel tubing. Finish: TenderTuff, brown in color.

152907B - Deck Link w/Barriers 2 Steps

Clamps: Cast aluminum.

Finish: ProShield, color as indicated on plans.

Barrier: Weldment comprised of 1.125" (28,58 mm) O.D. x 11 Ga. (.120") (3,04 mm) wall steel tubing, 5/8" (15,88 mm) O.D. steel bar with 203 or 303 stainless steel 3/8" (9,53 mm)threaded inserts. Finish: TenderTuff, color as indicated on plans.

Step Section: Formed from 12 GA (.105") (2,66 mm) sheet steel comforming to ASTM A1011. Standing surface is 24 1/4" (615,95 mm) wide x 14" (356 mm) deep and is perforated with 5/16" (7,94 mm) diameter holes. Finish: TenderTuff, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

SteelX Panels: Zinc plated 7 GA (.179") (4,55 mm) HR flat steel. Finish: ProShield, color as indicated on plans.

152907C - Deck Link w/Barriers 3 Steps

Clamps: Cast aluminum.

Finish: ProShield, color as indicated on plans.

Barrier: Weldment comprised of 1.125" (28,58 mm) O.D. x 11 Ga. (.120") (3,04 mm) wall steel tubing, 5/8" (15,88 mm) O.D. steel bar with 203 or 303 stainless steel 3/8" (9,53 mm)threaded inserts. Finish: TenderTuff, color as indicated on plans.

Step Section: Formed from 12 GA (.105") (2,66 mm) sheet steel comforming to ASTM A1011. Standing surface is 24 1/4" (615,95 mm) wide x 14" (356 mm) deep and is perforated with 5/16" (7,94 mm) diameter holes. Finish: TenderTuff, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

SteelX Panels: Zinc plated 7 GA (.179") (4,55 mm) HR flat steel. Finish: ProShield, color as indicated on plans.

176078A - Lollipop Climber 48"Dk DB

Clamps: Cast aluminum.

Finish: ProShield, color as indicated on plans.

Clamps: Cast aluminum.

Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Handhold Panel: Permalene, color as indicated on plans.

Handhold Panel: Permalene, color as indicated on plans.

Lollipop Climber: Weldment comprised of 1.315" (33,40 mm) O.D. RS20 (.080"-.090") (2,03 mm-2,28 mm) wall galvanized steel tube, 2.375" (60,33 mm) O.D. RS20 (.095"-.105") (2,41 mm-2,66 mm) wall galvanized steel tube, 1/4" (6,35 mm) HRPO steel sheet and 10 GA. (.135") (3,43 mm) HRPO steel. Finish: ProShield, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

148434B - Loop Pole Perm Handholds 72"Dk DB

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Handhold Panel: Solid color Permalene, color as indicated on plans.

Loop Pole: Weldment comprised of 1.900" (48,26 mm) O.D. RS-20 (.090"-.100") (2,28 mm-2,54 mm) galvanized steel tubing, and 1.315" (33,40 mm) O.D. RS-20 (.080"-.090") (2,03mm-2,28 mm) galvanized steel tubing. Finish: ProShield, color as indicated on plans.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

122915B - Single Wave Climber 64"Dk Difference

Base Bracket: Weldment comprised of 1/4" x 2" (6,35 mm x 51 mm) HR flat steel and 1.660" (42,16 mm) O.D. RS-40 (.111" - .121") (2,82 mm-3,07 mm) galvanized steel tubing. Finish: ProShield, color as indicated on plans.

Climber: Weldment comprised of 1.660" (42,16 mm) O.D. RS-40 (.111" - .121") (2,82 mm-3,07 mm) galvanized steel tubing, and 1.315" (33,40 mm) O.D. RS-20 (.080" - .090") (2,03 mm-2,28 mm) galvanized steel tubing. Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Handhold Panel: Permalene, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

158425A - Starburst Climber DB Only

Footer: Fabricated from 2.375" (60,32 mm) O.D. RS20 (.095"-.105") (2,41 mm-2,66 mm) wall galvanized steel tubing. Finish: ProShield, color as indicated on plans.

Clamps: Cast aluminum.

Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Infill Panel: Solid Color Permalene, color as indicated on plans.

Barrier: Weldment comprised of 1.125" (28,58 mm) O.D. x 11 GA (.120") (3,04 mm) steel tube per ASTM A513 with 203 or 303 stainless steel welded inserts with 5/8" (15,88 mm) internal threads and 1/4" (6,35 mm) tabs. Finish: TenderTuff, color as indicated on plans.

Starburst Climber: Weldment comprised of 2.375" (60,33 mm) O.D. RS20 (.095"-.105") (2,41 mm-2,66 mm) wall galvanized steel tube, 1.315" (33,40 mm) O.D. RS20 (.080"-.090") (2,03 mm-2,28 mm) wall galvanized steel tube and 1/4" (6,35 mm) HRPO flat steel. Finish: ProShield, color as indicated on plans.

156070A - Pinnacle Ext Deck

Barrier: Fabricated from 7 GA. (.188") (4,77 mm) HR zinc plated flat steel. Finish: TenderTuff, color as indicated on plans.

Clamps: Cast aluminum. & #x0D;

Finish: ProShield, color as indicated on plans.

Extension Deck: Flange formed from 12 GA.(.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,94 mm) diameter holes. Finish: TenderTuff, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Kick Plate: Permalene, color as indicated on plans.

## 156068A - The Pointe

The Pointe Assy.: (Base) Weldment comprised of 1/4" (6,35 mm) HRPO sheet steel, C8 x 13.75 steel channel, 3" x 1 1/2" x .120" (76 mm x 38,1 mm x 3,04 mm) wall galvanized steel tube and 1 1/8" (28,58 mm) square bar. Finish: ProShield. (Pointefully assembled) Castings are made from Glass Fiber Reinforced Concrete (GFRC). Glass fiber is Alkali Resistant (AR) type glass formulated for concrete. Nominal wall thickness of 1" (25 mm) and weighs about 11 1/2 lbs. (5,22 kilograms) per square foot. Castings have a strength of 1,500 lbs. (680,39 kilograms) per square inch in tension and 5,000 lbs. (2267,96 kilograms) per square inch in compression. Finish: Acid stain and latex paint made for concrete, Natural in color.

Rock Pocket Cover: Fabricated from 13 Ga. (.090") (2,29 mm) HRPO flat steel conforming to ASTM A1011. Finish: Zinc plate with yellow chromate finish.

146812A - Sky Rail Climber 72"Dk DB

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Sky Rail: Weldment comprised of 1.900" (48,26 mm) O.D. RS-20 (.090" - .100") (2,28 mm-2,54 mm) galvanized steel tubing per ASTM A500, 1.315" (33,40 mm) O.D. RS-20 (.080" - .090") (2,03 mm-2,28 mm) galvanized steel tubing per ASTM A500, 1.029" (26,13 mm) O.D. RS-20 (.070" - .080") (1,78 mm-2,03 mm) galvanized steel tubing per ASTM A500, 3/16" x 1 1/4" x 2" (4,75 mm x 31,75 mm x 51 mm) angle and 1/4" x 2 1/2" (6,35 mm x 63,5 mm) HR flat steel. Finish: ProShield, color as indicated on plans.

Footer: Fabricated from 1.900" (48,26 mm) O.D. RS-20 (.090" - .100") (2,28 mm-2,54 mm) galvanized steel tubing. Finish: ProShield, color as indicated on plans.

No Material Spec for 141887A

111353A - Track Ride

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Trolley Assembly: Steel body with a 7/8" (22,22 mm) O.D. x .120" (3,04 mm) wall steel tubing handle assembly. Four urethane roller skate wheels and tivar guide block. Completely assembled. Steel Body Finish: TenderTuff, brown in color.

Half Clamp: Cast aluminum. Finish: ProShield, color as indicated on plans.

Beam: Extruded from 6005-T5 aluminum alloy. Finish: ProShield, color as indicated on plans.

148639A - Wiggle Ring Bridge Requires DB Post at Both Ends

Clamps: Cast aluminum. & #x0D;

Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Wiggle Ring Bridge Assembly: (Bean Assembly) Weldment comprised of 2.875" (73,03 mm) O.D. RS40 (.160" -.170") (4,06 mm-4,32 mm) wall galvanized steel tube, 1/4" (6,35 mm) sheet HRPO steel, 2" (51 mm) square steel bar and 3/16" (4,75 mm) sheet HRPO steel. Finish: ProShield, color as indicated on plans. (Pivot Beam) Weldment comprised of 2.375" (60,33 mm) O.D. RS40 (.130" -.140") (3,30 mm-3,56 mm) wall galvanized steel tube, 1.029" (26,13 mm) O.D. RS20 (.070"-.080") (1,78 mm-2,03 mm) wall galvanized steel tube, 1/4" (6,35 mm) sheet HRPO steel and 1/4" (6,35 mm) 304 stainless steel. Finish: ProShield, color as indicated on plans (Torsion Half Clamp) Fabricated from 1/4" (6,35 mm) sheet HRPO steel. Finish: ProShield, color as indicated on plans. (Polyurethane Rod) 1.125" (28,57 mm) O.D.

114373A - Belt Bridge (42")

Mounting Angle: Weldment comprised of 2 1/2" (63,5 mm) wide x 2 1/2" (63,5 mm) high x 36 1/2" (927,1 mm) long formed 10 GA (.135") (3,43 mm) carbon steel with 3/8" x 1 1/8" (9,53 mm x 28,58 mm) stainless steel studs. Finish: TenderTuff, color as indicated on plans.

Mounting Plate: Fabricated from 2" (51 mm) wide x 36 1/2" (927,1 mm) long 3/16" (4,75 mm) HR flat steel. Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Belt: Made from .315" (8,00 mm) thick mini rough top 3-ply rubber belting with polyester fabric plys, 36 3/4" (933,45 mm) wide x 41 7/8" (1063,63 mm) long, black in color.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Permalene Panel: Solid color panel measures 35 5/8" (904,88 mm) wide x 40 1/2" (1028,7 mm) high, color as indicated on plans.

173566A - Kaleidospin Panel Ground Level

Clamps: Cast aluminum.

Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Panels: Two color Permalene, color as indicated on plans.

Kaleidoscope Panel Assembly: (Panels) Two color Permalene, color as indicated on plans. (Tubes) Weldment comprised of 2.375" (60,33 mm) O.D. RS40 (.130"-.140") (3,30 mm-3,56 mm) galvanized tubing and 7 GA. (.179") (4,55 mm) sheet HRPO steel. Finish: ProShield, color as indicated on plans. (Mirror) Fabricated from 22 GA. (.030") (0,76 mm) stainless steel sheet.

173564A - Optigear Panel Above Deck

Clamps: Cast aluminum.

Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Optigear Panel Assy.: (Panels) Two color Permalene, color as indicated on plans. (Poly Panel) .236" (5,99 mm) thick clear polycarbonate, 3/8" (9,53 mm) threaded rod and 3/16" (4,75 mm) SST plate.

Angled Panel Bracket: Weldment comprised of .190" (4,83 mm) thick 5052 aluminum formed angle with (2) 6005-T5 aluminum threaded tubes 1 1/8" (28,58 mm) O.D. x 1 1/2" (38,1 mm) long. Finish: ProShield, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

119514A - Pilot Panel Above Deck

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Angled Panel Bracket: Weldment comprised of .190" (4,83 mm) thick 5052 aluminum formed angle with (2) 6005-T5 aluminum threaded tubes 1 1/8" (28,58 mm) O.D. x 1 1/2" (38,1 mm) long. Finish: ProShield, color as indicated on plans.

Permalene Panel: Two color panel measures  $35\,5/8$ " (904,88 mm) wide x 41" (1041 mm) high, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

Wheel: 12" (305 mm) diameter cast A319.1 aluminum alloy. Shaft-303 stainless steel. Finish: TenderTuff, color as indicated on plans.

Wheel Bracket: Weldment comprised of formed 3/16" (4,75 mm) plate and 5/8" (15,88 mm) O.D. stainless steel shaft. Finish: ProShield, color as indicated on plans.

116244A - Pipe Barrier Above Deck

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Pipe Barrier: Weldment comprised of 5/8" (15,88 mm) solid steel vertical rails, 1 1/8" (28,58 mm) O.D. x 11 GA (.120") (3,04 mm) steel horizontal rails with 203 or 303 stainless steel welded inserts with 5/8" (15,88 mm) internal threads, 1 1/2" x 1 1/2" x 29 1/2" (38,1 mm x 38,1 mm x 749,3 mm) angle iron. Barrier measures 33 7/8" (860,43 mm) wide x 39 13/16" (1011,22 mm) high. Finish: TenderTuff, color as indicated on plans.

900 Bracket: Formed from 1/4" x 1 1/4" (6,35 mm x 31,75 mm) HRPO flat steel. Finish: ProShield, color as indicated on plans.

123483A - Space Travel Panel Above Deck

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Angled Panel Bracket: Weldment comprised of .190" (4,83 mm) thick 5052 aluminum formed angle with (2) 6005-T5 aluminum threaded tubes 1 1/8" (28,58 mm) O.D. x 1 1/2" (38,1 mm) long. Finish: ProShield, color as indicated on plans.

Permalene Panel: Two color panel measures 35 5/8" (904,88 mm) wide x 41" (1041 mm) high, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

172566A - Blender Spinner DB

Blender Assy.: Weldment comprised of 1.900" (48,26 mm) O.D. RS20 (.090"-.100") (2,28 mm-2,54 mm) wall galvanized steel tube, 10 Ga. (.135") (3,42 mm) HRPO steel, 2.750" (69,85 mm) O.D. 1018 steel and 1 7/8" (47,62 mm) steel ball. Finish: ProShield, color as indicated on plans.

Clamps: Cast aluminum.

Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Bushing: Oil-filled UHMW PE.

Footer: Weldment comprised of 2.375" (60,32 mm) O.D. RS40 (.130"-.140") (3,30 mm-3,56 mm) wall galvanized steel tube, 12 GA. (.105") (2,66 mm) HR flat steel and 1 7/8" (47,62 mm) steel ball. Finish: ProShield, color as indicated on plans.

Upper Spinner Mount: Weldment comprised of 2.375" (60,33 mm) O.D. RS40 (.130"-.140") (3,30 mm-3,56 mm) wall galvanized steel tube, 2.750" (69,85 mm) O.D. 1018 steel, and 1/4" (6,35 mm) HRPO flat steel. Finish: ProShield, color as indicated on plans.

166809A - E-Pod Seat

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

E-Pod Rotationally molded from U.V. stabilized linear low density polyethylene, color as indicated on plans.

Pod: Rotationally molded from U.V. stabilized linear low density polyethylene, color as indicated on plans.

Pod Casting: Fabricated from sand cast alloy 356 in accordance with ASTM B26. Finish: ProShield, color as indicated on plans.

128980D - PlayOdyssey DB Only Roof 72"Dk

Bubble: Vacuum formed .230" x 26 1/2" (5,84 mm x 673,1 mm) diameter clear polycarbonate.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Half Clamp: Cast aluminum. Finish: ProShield, color as indicated on plans.

Nylon Spacer: 3/8" (9,53 mm) I.D. nylon washer.

Support Bar: Fabricated from 1/4" x 1 1/4" (6,35 mm x 31,75 mm) HR flat steel. Finish: ProShield, color as indicated on plans.

Crossbrace: Weldment comprised of 5/16" (7,92 mm) HR steel tabs and formed 5/16" (7,92 mm) HR flat steel. Finish: ProShield, color as indicated on plans.

Double Post: Weldment comprised of 5" (127 mm) O.D. x 11 GA (.120") (3,04 mm) galvanized steel tubing, 1.029" (26,13 mm) O.D. RS-20 (.070" - .080") (4,51 mm-2,03 mm) galvanized steel tubing, 1.315" (33,40 mm) O.D. RS-20 (.080" - .090") (2,03 mm-2,28 mm) galvanized steel tubing and 1/4" x 1 1/4" (6,35 mm x 31,75 mm) HR flat steel. Finish: ProShield, color as indicated on plans.

Deck Support: Weldment comprised of 5" (127 mm) O.D. x 11 GA (.120") (3,04 mm) galvanized steel tubing, 5/16" (7,92 mm) HR flat steel and 1/4" x 2" (6,35 mm x 51 mm) HR flat steel. Finish: ProShield, color as indicated on plans.

Gusset Panel: Solid color Permalene, color as indicated on plans.

Large Infill Panel: Solid color Permalene, color as indicated on plans.

Octagon Deck: Flange formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,92 mm) diameter holes. Deck face has (4) slotted holes for face mounting components. The combined finished size measures 2 5/8" x 106 1/4" x 106 1/4" (66,68 mm x 2698,75 mm x 2698,75 mm). Finish: TenderTuff, color as indicated on plans.

Roof Post: Weldment comprised of 4.675" (118,75 mm) O.D. x .150" (3,81 mm) 6061-T6 extruded aluminum and formed 5" (127 mm) O.D. x .125" (3,17 mm) 6005-T5 extruded aluminum. Finish: ProShield, color as indicated on plans.

Small Infill Panel: Solid color Permalene, brown in color.

Poly Roof: Rotationally molded from U.V. stabilized linear low density polyethylene, color as indicated on plans.

152911B - Curved Transfer Module Left 40"Dk DB

Clamps: Cast aluminum.

Finish: ProShield, color as indicated on plans.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Panels: Permalene, color as indicated on plans.

Railings: Weldment comprised of 1.125" (28,58 mm) O.D. x 11 GA. (.120") (3,04 mm) steel tubing with 203 or 303 stainless steel 3/8" (9,53 mm) threaded inserts. Finish: TenderTuff, color as indicated on plans.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,23 mm) O.D. x 1 11/16" (42,85 mm). Finish: ProShield, color as indicated on plans.

Step Support: Weldment comprised of 1.660" (42,16 mm) O.D. RS-20 (.080" - .095") (2,03 mm-2,41 mm) galvanized steel tubing and 1 3/4" x 1 3/4" x 1/8" (44,45 mm x 44,45 mm x 3,17 mm) HR angle. Finish: ProShield, color as indicated on plans.

Step Sections/Top Step Section: Formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is 24 3/8" (619,13 mm) wide x 14" (355,6 mm) deep and is perforated with 5/16" (7,92 mm) diameter holes. Finish: TenderTuff, color as indicated on plans.

Deck Support: Weldment comprised of 3 1/2" (88,9 mm) O.D. RS-20 (.125") (3,17 mm) galvanized steel tubing and 3/8" (9,53 mm) O.D. x 5" (127 mm) long CRS rod. Finish: ProShield, color as indicated on plans.

Deck: Flange formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,92 mm) diameter holes and measures 29" (737 mm) per (2) sides. Finish: TenderTuff, color as indicated on plans.

## 111229A - Square Deck Extension

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Square Deck Extension: Flange formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,92 mm) diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 5/8" x 42" x 47" (66,68 mm x 1067 mm x 1194 mm). Finish: TenderTuff, color as indicated on plans.

#### 111228A - Square Tenderdeck

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Square Deck: Flange formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,92 mm) diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 5/8" x 47" x 47" (66,68 mm x 1194 mm x 1194 mm). Finish: TenderTuff, color as indicated on plans.

## 111231A - Triangular Tenderdeck

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Triangular Deck: Flange formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,92 mm) diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 5/8" x 37 3/4" (66,68 mm x 958,85 mm). Finish: TenderTuff, color as indicated on plans.

111404I - 84"Alum Post DB

Post: See PlayBooster (PB) General Specifications.

111404F - 108"Alum Post DB

Post: See PlayBooster (PB) General Specifications.

111404E - 116"Alum Post DB

Post: See PlayBooster (PB) General Specifications.

111404D - 124"Alum Post DB

Post: See PlayBooster (PB) General Specifications.

111404C - 132"Alum Post DB

Post: See PlayBooster (PB) General Specifications.

111404A - 148"Alum Post DB

Post: See PlayBooster (PB) General Specifications.

No Material Spec for 105639 No Material Spec for 105640

173591A - OmniSpin Spinner Surface Mount

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

OmniSpin Spinner: Rotationally molded from U.V. stabilized linear low density polyethylene, color as indicated on plans.

OmniSpin Spinner Frame Assembly: (Frame) Weldment comprised of 2.375" (60,33 mm)O.D. RS20 (.095"-.105") (2,41 mm-2,66 mm) wall galvanized steel tubing, 2.875" (73,03 mm) O.D. RS40 (.160"-.170") (4,06 mm-4,32 mm) wall galvanized steel tubing, 1/4" (6,35 mm) HR flat steel and 3 1/2" (88,9 mm) O.D. CF steel bar. (Base) Weldment comprised of 3/8" (9,53 mm) HRPO sheet steel and 3/16" (4,75 mm) HRPO sheet steel. (Shock Covers) 16 GA (.060") (1,52 mm) HRPO sheet steel. (Crank Arms & Pins) Fabricated from stainless steel. (Shocks) Gas shocks with fixed bearings. Finish: ProShield, black in color.

177330A - 5" Arch Swing Frame 8' Beam Height Only

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Swing Beam: Weldment comprised of tee clamps and 5" (127 mm) O.D. extruded 6005-T5 aluminum alloy tube with a .125" (3,17 mm) W. Finish: ProShield, color as indicated on plans.

Arch Posts: See PlayBooster (PB) General Specifications.

177331A - 5" Arch Swing Frame Additional Bay 8' Beam Height Only

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color as indicated on plans.

Swing Beam: Weldment comprised of tee clamps and 5" (127 mm) O.D. extruded 6005-T5 aluminum alloy tube with a .125" (3,17 mm) W. Finish: ProShield, color as indicated on plans.

Arch Posts: See PlayBooster (PB) General Specifications.

174018A - Belt Seat ProGuard Chains for 8' Beam Height

Bolt Link: Stainless Steel

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Belt Seat: Molded from UV stabilized black EPDM rubber encapsulating a weldment comprised of a 22 GA (.029") (0,74 mm) spring stainless steel sheet and (4) .105" (2,67 mm) thick stainless steel washers. The belt seat elliptical shape measures 7" (178 mm) wide x 26" (660 mm) long x .700" (17,78 mm) thick.

Chain/ProGuard: Steel 3/16" (4,75 mm) straight link chain, 800 lb. (362,87 kilograms) working load limit. Finish: ProGuard.

176038A - Full Bucket Seat ProGuard Chains for 8' Beam Height

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Full Bucket Seat: Made of U.V. stabilized high-quality black rubber encapsulating a 24 GA (.024") (0,61 mm) stainless steel reinforcement plate. Handles cast from 356-T6 aluminum alloy with a 60 durometer black neoprene grip placed over handles. Handles attach to seat with (3) 1/4" (6,35 mm) x 1 5/16" (33,32 mm) long stainless steel rivets. The full bucket measures 9" (229 mm) deep x 10 1/2" (266,7 mm) wide.

Chain/ProGuard: Steel 3/16" (4,75 mm) straight link chain, 800 lb. (362,87 kilograms) working load limit. Finish: ProGuard.

100041A - Curved Balance Beam DB

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Balance Beam: Weldment comprised of 1 1/2" (38,1 mm) x 3" (76 mm) x 11 GA (.120") (3,04 mm) rectangular steel tubing. Finish: TenderTuff, color as indicated on plans.

Support Leg: Weldment comprised of 2 3/8" (60,33 mm) O.D. RS20 (.095"-.105") (2,41 mm-2,66 mm) galvanized steel tubing and 3/8" x 4" (60,33 mm x 102 mm) mounting plate. Finish: ProShield, color as indicated on plans.

No Material Spec for 182503C

#### 100-YEAR LIMITED WARRANTY

On all PlayBooster®, PlayShaper® and PlaySense® aluminum posts, stainless steel fasteners, clamps, beams and caps, against structural failure due to corrosion/natural deterioration or manufacturing defects, and on PlayBooster, Evos<sup>TM</sup> and Weevos<sup>TM</sup> steel posts and arches against structural failure due to material or manufacturing defects.

## 15-YEAR LIMITED WARRANTY

On all plastic components (including TuffTimbers™ edging), all steel components (except 100-year steel posts), Mobius® climbers, decks and TenderTuff™ coatings (except Wiggle Ladders, Chain Ladders and Swing Chain) against structural failure due to material or manufacturing defects. TuffTurf® tiles against material or manufacturing defects.

#### 10-YEAR LIMITED WARRANTY

On concrete products against structural failure due to natural deterioration or manufacturing defects. Does not cover minor chips, hairline cracks or efflorescence.

#### 8-YEAR LIMITED WARRANTY

On Aeronet<sup>TM</sup> climbers and climbing cables against defects in materials or manufacturing defects. On CoolToppers® fabric against failure from significant fading, deterioration, breakdown, mildew, outdoor heat, cold or discoloration. This warranty is limited to the design loads as stated in the specifications found in the technical information.

#### 3-YEAR LIMITED WARRANTY

On all other parts, i.e.: CableCore® products, swing seats and hangers, grills, Mobius climber handholds, Wiggle Ladders, Chain Ladders and Swing Chain, Track Ride trolleys and bumpers, all rocking equipment including Sway Fun® gliders, PVC belting material, HealthBeat™ hydraulic cylinders, Seesaws, Wiggle Ring Bridge, etc., against failure due to corrosion/natural deterioration or manufacturing defects.

This warranty does not include any cosmetic issues or wear and tear from normal use. It is valid only if the playstructures and/or equipment are erected to conform with Landscape Structures' installation instructions and maintained according to the maintenance procedures furnished by Landscape Structures Inc. For a full text of the warranty, contact your playground consultant.

#### 218-7.3 PRODUCT COMPLIANCE VERIFICATION.

At time of ordering the equipment, the Contractor shall verify with the manufacturer that play equipment meets current safety and access guidelines and requirements. The playground components and design were designed to comply with the ADAAAG Final Rule for Play Areas (<a href="http://www.access-board.gov/play/finalrule.txt">http://www.access-board.gov/play/finalrule.txt</a>, and <a href="http://www.access-board.gov/play/guide/guide.pdf">http://www.access-board.gov/play/guide/guide.pdf</a>). The contractor shall verify current compliance prior to ordering the equipment.

#### 218-8 RESILIENT RUBBER SURFACING.

Play ground resilient rubber surfacing shall be 'TotTurf Aliphitic' Poured-in-Place Playground Surfacing, or approved equal. Rubber surfacing is manufactured by Robertson Industries, Inc, and represented locally by Tot Turf, (760) 809-1875.

## 218-8.1 Description.

TotTurf® Aliphatic poured in place rubber playground surfacing shall consist of a polyurethane binder mixed with 100% recycled, shredded tire buffings which will make up the Cushion Layer. The Cushion Layer is capped with EPDM, TPV or Treated SBR rubber granules mixed with a polyurethane binder creating the Wear Course. Robertson Industries, Inc. surfaces comply with ADA and CPSC guidelines as well as ASTM Standards. TotTurf® is certified by IPEMA, a third party testing organization for playground surfaces and equipment.

#### 218-8.2 Work.

Provide all necessary materials, labor, tools, and equipment to perform the work included in the section for the installation of the poured-in-place resurface.

## **218-8.2.1 Area Safety.**

Poured in place surfacing within playground equipment use zones shall meet or exceed the performance requirements of the CPSC, ADA and Fall Height Test ASTM F 1292-04. The surface must yield both a peak deceleration of no more than 200 G-max and a Head Injury Criteria (HIC) value of no more than 1,000 for a head-first fall from the highest accessible portion of play equipment being installed as shown on drawings.

## 218-8.2.2 Accessibility.

NOTE: Children's outdoor play areas shall be in compliance with the Uniform Federal Accessibility Standards (UFAS) FED-STD-795 and the Architectural and Engineer Instructions (9AEI) Design Criteria. The requirements of the Americans with Disabilities Act Accessibility Guidelines (ADAAG) 28 CFR Part 36 that provide equal or greater accessibility than the requirements of UFAS must also be met in children's outdoor play areas.

Poured in place surfaces intended to serve as accessible paths of travel for persons with disabilities shall be firm, stable and slip resistant, and shall meet the requirements of ASTM F 1951- 08 and ASTM F 1292-04.

#### 218-8.2.3 Certified Installers.

Poured in place surfaces shall be manufactured and installed by trained, experienced company employees or certified installers who have successfully completed the "Certified Installers Training Program" required by Robertson Industries.

#### **218-8.3 Submittals.**

- a) One original hard copy of the submittal package will be provided. Additional hard copies available by request. All specifications/details/testing data can be found on TotTurf® website www.totturf.com.
- b) Manufacturer's descriptive data and installation instructions.
- c) Manufacturer's details showing depths of Wear Course and sub-base materials, anchoring systems and edge details.

- d) Upon request, a listing of at least five installations where products similar to those proposed for use have been installed and have been in service for a minimum period of 3 years. This list shall include owner or purchaser, address of installation, date of installation, contact person, and phone number.
- e) A signed statement by an authorized official certifying that the surfacing system meets the requirements of ASTM-F1292-04 for a head-first fall from the highest accessible portion of the specified playground equipment.
- f) A signed statement from the manufacturer of the poured in place surfacing attesting that all materials under this section shall be installed only by the Manufacturer's Trained Installers.
- g) A certificate of Insurance shall be provided by Robertson Industries, Inc. for poured in place surfacing for use as playground safety surfacing, covering both general and product liability, of not less than \$1,000,000 for each occurrence, \$2,000,000 general aggregate, with an excess/ umbrella liability of \$25,000,000. The issuing underwrite shall be AA rated.
- h) Upon request, 2 inch X 3 inch (60mm x 80 mm) samples of the proposed material for this project.
- i) IPEMA certification mandatory.
- **Delivery, Storage and Handling.** Materials and equipment shall be delivered and stored in accordance with the manufacturer's recommendations.
- **Project Site Conditions.** Poured in Place surfacing must be installed on a dry subsurface, with no prospect of rain within the initial drying period, and within the recommended temperature range of the manufacturer. Installation in weather condition of extreme heat, cold (less than 55 degrees F), and/or high humidity may affect cure time, and the structural integrity of the final product.

Immediate surrounding sites must be reasonably free of dust conditions or this could affect the final surface look. The manufacturer's Service Center Manager reserves the right to control the installation based on such factors without penalty to Robertson Industries, Inc. H. Sequencing and Scheduling: Poured in place surfacing shall be installed after all playground equipment, shade structures, signs and any other items that will be within the surfacing area. Surface installation coordinated by a Robertson Industries, Inc. representative.

Warranty. Poured in place surface shall maintain required impact attenuation characteristics and be guaranteed against defects in workmanship AND material for a limited five (5) year period or as specified and agreed upon per alternate contract. Warranty will be specific to maintenance requirements and performance standards of completed product.

## **218-8.7 Materials.**

## 2.18-8.7.1 Cushion Layer Section.

a) Impact Attenuating Cushion Layer: Cushion Layer consists of shredded styrene butadiene rubber (SBR) adhered with a 100 percent solids polyurethane binder to form a resilient porous material.

- b) Strands of SBR may vary from 0.5 mm 2.0 mm in thickness by 3.0 mm 20 mm in length.
- c) Foam or standard rubber granules are not to be permitted in Cushion Layer
- d) Binder shall be between 12-14 percent of the total weight of the material, and shall provide 100 percent coating of the particles.
- e) The Cushion Layer shall be compatible with the Wear Course and must meet requirements herein for impact attenuation.

#### 2.18-8.7.2 Wear Course.

- a) The following are TotTurf® Custom Colors available: Cancun, Arizona Gold, Sherwood Forest, Blue Moon and California Dream'n. (See Totturf.com)
- b) Wear Course shall consists of Ethylene Propylene Diene Monomer(EPDM), Thermal Plastic Vulcanized (TPV) or Treated SBR (Styrene Butadiene Rubber) granules with an Aliphatic binder formulated to produce an even, uniform, seamless surface up to 2000 square feet.
- c) EPDM shall be peroxide cured with an EPDM content of 26 percent and shall include a Processing aid to prevent hardness with 26% poly content to maintain dynamic testing characteristics, weatherization and UV stability.
- d) ASTM D 2240 (Shore A) hardness of 55-65, not less than 26 percent rubber hydrocarbons.
- e) Size of EPDM granules shall be 2-4 mm across. Binder shall be not less than 20 percent of total weight of rubber used in the wear surface, and shall provide 100 percent coating of the particles.
- f) TPV shall be angular granules with a (Shore A) hardness of 65°A ±5 and particle size between 1-4mm. Binder shall be not less than 20 percent of total weight of rubber used in the wear surface, and shall provide 100 percent coating of the particles.
- g) Size of Treated SBR Granules shall be 1-3 mm across. Binder shall be not less than 20 percent of total weight of rubber used in the wear surface, and shall provide 100 percent coating of the particles.
- h) Thickness of Wear Course shall be a minimum  $\frac{1}{2}$  inch (12.7 mm).
- i) The Wear Course shall be porous.

#### 2.18-8.7.3 Binder.

- a) No Toluene Diphenel Isocyanate (TDI) shall be used.
- b) No filler materials shall be used in urethane such as plasticizers and the catalyzing agent shall contain no heavy metals.
- c) Weight of polyurethane shall be no less than 8.5 lbs/gal (1.02 Kg/1) and no more than 9.5 lbs/gal (1.14 Kg/1)
- d) Manufacturer is permitted to modify the type of urethane required to match extreme weather conditions. Substitutions must be equal to or exceed original quality.

#### 218-8.8 Color.

Selected from Manufacturer's Color Chart and shown on the plans.

#### 300-1 CLEARING AND GRUBBING:

## **300-1.1 General.** ADD the following:

Clearing and grubbing shall include the removal, relocation, adjusting, or salvaging of all facilities so indicated on the plans.

In addition, clearing and grubbing shall include, but not limited to the following items as shown on the plans or specified in the Specifications:

- a) Deleterious materials resulting from clearing and grubbing operations shall be hauled away and disposed of legally at a site obtained by the Contractor.
- b) Provide continuous pedestrian access within the project area, and as directed by the Resident Engineer.
- c) Minor grading for low point drainage swales in turf areas for drainage control.
- d) Removal and disposal of pipe, ditches, protection posts, guardrail, inlets, trees, stairways, and any additional items not specifically mentioned which may be found within the work limits.
- e) Furnishing and applying water.
- f) Clean-up of project upon completion of work.
- g) Adjustment to grade of miscellaneous items such as drainage inlets, utility boxes, valves, manholes, pullboxes, interfering portions of storm drain pipes, posts.
- h) The Contractor shall remove and transport debris and rubbish in a manner that will prevent spillage on streets or adjacent areas. Clean-up of spillage will be at the Contractor's expense.
- i) Clearing and grubbing shall also include mobilization. Mobilization shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, materials and incidentals to the project site necessary for work on the project and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items on the project site.

Any asphalt pavement material removed during clearing operations should be properly disposed at an approved off-site facility. Concrete fragments which are free of reinforcing steel may be placed in fills, provided they are placed in accordance with these specifications.

## 300-1.3 REMOVAL AND DISPOSAL OF MATERIALS.

## **300-1.3.2 Requirements.** DELETE (a) in its entirety and SUBSTITUTE with the following:

(a) Bituminous pavement shall be cut and removed in such a manner so as not to tear, bulge or displace adjacent paving by use of sawcutting, rockwheel, jackhammer or milling machine. Wheel type pressure cutters and drop hammer cutters will not be permitted for final edge cut. Sawcutting of edges to be joined is required. Where only the surface of existing bituminous pavement is to be removed, the method of removal shall be approved by the

Engineer, and a minimum laying depth of 25 mm (1 inch) of new pavement material shall be provided at the join line. Where bituminous pavement adjoins a trench, the edges adjacent to the trench shall be trimmed to neat straight lines before resurfacing to ensure that all areas to be resurfaced are accessible to the rollers used to compact the subgrade or paving materials.

### ADD the following:

- (f) Miscellaneous materials: Buried pavements and other materials, old subsurface pavements and other materials such as concrete planters, and other materials encountered under existing pavements, which are within designated excavation areas on the demolition plans shall be removed.
- (g) The work includes demolition of removal (unclassified demolition) of all materials and facilities indicated or specified. Do not begin demolition until authorization is received from the Resident Engineer. Remove rubbish and debris daily, unless otherwise directed. Store materials that cannot be removed daily in areas specified by the Resident Engineer.
- (h) Dust control: The Contractor shall take appropriate action to check the spread of dust to avoid the creation of a nuisance in the surrounding area. Do not use water if it results in hazardous or objectionable conditions, such as flooding, or pollution. Comply with all dust regulations imposed by local air pollution agencies.
- (i) Protection: The Contractor shall protect existing work which is to remain in place, that is to be re-used, or which is to remain the property of Owner by temporary covers, shoring, bracing, and supports. Items which are to remain or are to be salvaged and which are damaged during performance of work shall be repaired to their original condition or replaced with new by the Contractor at no additional cost to Owner. The Contractor shall protect all services and utilities which are to remain. Where removal of existing utilities and pavement is specified or indicated, provide approved barricades, temporary covering of exposed areas, and temporary services or connections for electrical utilities.
- (j) Personnel: Where pedestrian and driver safety is endangered in the area of removal work, use traffic barricades with flashing lights. Notify the Resident Engineer prior to beginning any such work.
- (k) Explosives: Use of explosives will not be permitted.

## **ADD**: **300-1.3.3 Execution.**

- (a) Paving: Remove concrete and asphaltic concrete paving to depths as indicated on the plans or as required to allow for new improvements.
- (b) Concrete: Where concrete work is to be removed, saw cut concrete along straight lines to a depth of not less than two inches. Make each cut in walls perpendicular to the face and in alignment with the cut in the opposite face. The remainder of the concrete shall be broken out, provided that the broken area is concealed in the finished work, and the remaining concrete is sound. At locations where the broken face cannot be concealed, it shall be ground smooth or the sawcut shall be made entirely through the concrete.
- (c) Filling: Fill holes and other hazardous openings in accordance with Section 300 Earthwork.

- (d) Title to Materials: Title to all materials resulting from demolition, and all materials and equipment to be removed, is vested in the Contractor upon approval by the Resident Engineer of the Contractor's demolition and removal procedures, and authorization by the Resident Engineer to begin demolition. The City will not be responsible for the condition or loss of, or damage to, such property after notice to proceed. Materials and equipment shall not be viewed by prospective purchasers or sold on or near the site.
- (e) Re-use of materials and equipment: Carefully remove and store materials and equipment indicated to be re-used or relocated to prevent damage, and reinstall as the work progresses.
- (f) Salvaged Materials and Equipment: Contractor to carefully remove materials and equipment that are designated to be removed on the plans.
- (g) Debris and Rubbish: Remove and transport debris and rubbish in a manner that will prevent spillage on streets or adjacent areas. Clean up spillage from streets and adjacent roads.
- (h) Regulations: Comply with federal, state and local hauling and disposal regulations.
- (i) Hazardous Materials refer to Section 703 of the Whitebook for procedures when hazardous materials are encountered during excavation.

#### 300-2 UNCLASSIFIED EXCAVATION.

## **300-2.1 General.** ADD the following:

In general, the on-site soils are suitable for reuse as fill if free from vegetation, debris, and other deleterious matter.

## **300-2.9 Payment.** DELETE in its entirety and SUBSTITUTE with the following:

Unclassified Excavation shall include full compensation for furnishing all labor, materials, tools, equipment, and incidents, and for doing all the work involved in the excavation and embankments to achieve the subgrades and final grades as shown on the plans and as specified and as directed by the Resident Engineer.

The contractor shall be required to prepare their own earthwork for bidding and construction purposes. Any reference to earthwork quantities on the plans is strictly for bonding purposes and shall not be used by the contractor for a price basis. No additional compensation for excavation, embankment, import, or export of material shall be allowed.

Payment for Unclassified Excavation shall be included in the lump sum price and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in the excavation and embankments to achieve the subgrades and final grades as shown on the plans and as specified and as directed by the Resident Engineer.

## 303-5 CONCRETE CURBS, WALKS, GUTTERS, CROSS GUTTERS, ALLEY INTERSECTIONS, ACCESS RAMPS, AND DRIVEWAYS.

#### **303-5.1.1 General.** ADD the following:

This work shall consist of preparing the area on which the concrete work is to be placed, which may include preparation of sub-grade, removal of tree roots, and placement of base materials in accordance with these Specifications and as shown on the plans. The following types of miscellaneous concrete items are included:

#### TYPE B ADA RAMP

Payment for Type B ADA ramps shall be included in the total lump sum project price and shall include all items of work necessary to construct the ramp, including but not limited to grading, forming, installing, finishing, repairing asphalt and concrete paving, etc. complete and in place. No additional compensation for this work will be allowed.

## 4" CONCRETE SUB-SLAB IN PLAY AREAS

Payment for 4" Concrete Sub-Slab shall be included in the total lump sum project price and shall include full compensation for furnishing all items of work necessary to construct new 4" Concrete Sub-Slab, including but not limited to: grading, base materials, compaction, jointing, finishing, forming, labor, materials, and all other incidentals, etc. No additional compensation for this work will be allowed.

#### DEEPENED CONCRETE CURB FOR PLAY AREA

Payment for Deepened Concrete Curb for Play Area shall be included in the total lump sum price for the project and shall include full compensation for furnishing all items of work necessary to construct new Deepened Concrete Curb for Play Area, including but not limited to: grading, base material, all jointing, deepened edges, finishing, forming, etc. No additional compensation for this work will be allowed.

## CAST IN PLACE SEAT WALL

Cast-in-place seat wall shall be constructed as indicated on the plans and in compliance with Section 303-1 of the Greenbook and Whitebook. Concrete shall be 560-C-3250 on native compacted material.

Payment for Cast in Place Seat Wall shall be included in the total lump sum price for the project and shall include full compensation for furnishing all items of work necessary to construct new Cast in Place Seat Wall, including but not limited to: grading, base material, finishing, forming, etc. No additional compensation for this work will be allowed.

#### COLORED CONCRETE SIDEWALK PAVING

Colored Concrete Paving: Place, float, apply light broom finish, and edge concrete within the area of pour. Install hand-tooled joints at locations indicated on the plans. Install expansion joints as indicated on the drawings. Grid tooling finish shall match approved paving sample finish submitted for approval by County Engineer a minimum of 48 hours prior to pour. Colored Concrete Paving shall be constructed as indicated on the Contract Drawings and Section 303-5 of the Greenbook and Whitebook. Concrete shall be 560-C-3250.

Payment for Colored Concrete Paving shall be included the total lump sum price for the project and shall include full compensation for furnishing all items of work necessary to construct new sidewalk, including but not limited to: grading, base material, all jointing, deepened edges, finishing, forming, etc. No additional compensation for this work will be allowed.

#### 6" PCC CURB AND GUTTER

Curb and Gutter shall match existing gutter flow line and constructed as indicated and Section 303-5 of the Greenbook and Whitebook. Concrete shall be 520-C-2500 on native compacted material.

Payment for 6" PCC Curb and Gutter shall be included in the total lump sum price for the project and shall include full compensation for furnishing all items of work necessary to construct new 6" PCC Curb and Gutter, including but not limited to: grading, base material, finishing, forming, etc. No additional compensation for this work will be allowed.

#### **303-5.5** Finishing.

## **Walk.** First paragraph, DELETE in its entirety and SUBSTITUTE with the following:

The forms shall be set to place the finish surface in a plane sloping from one edge of paving to the other edge a maximum of 1.5 percent perpendicular to the edge of paving.

## ADD the following:

If after final troweling all walk surfaces shall receive a uniform light broom finish with a stiff fiber broom perpendicular to the edge of the walk, verify direction with Resident Engineer. Upon final curing walk surface shall meet or exceed a static coefficient of friction of .6 wet and approximately .8 dry. Finished surface shall meet ADAAG 4.5 requirements for paving."

## **303-5.9 Measurement and Payment.** ADD the following:

Payment for sidewalk concrete paving, curb & gutters, B-1 curbs, flush curbing, mow curbs, swales, pedestrian ramps and ADA access ramps shall be included in the total lump sum project price and shall include the complete structural section, reinforcing, subgrade preparation, compaction, formwork, and all specified finishes, admixtures, sealants, etc. and no other payment allowed therefore. The payment shall be segregated to conform with the bid items indicated on the bid schedule and may include the following:

- a. Colored Concrete Curb
- b. Pedestrian Ramps
- c. Colored Concrete Paving
- d. Access ADA Ramps & landings
- e. Deepened Concrete Curb for Play Area
- f. Play Area Sub-slab paving standard concrete
- g. Seat wall with outlet pad

## 303-7 COLORED CONCRETE:

## **303-7.1 General.** First sentence, DELETE Method A, ADD the following:

Provide a minimum 4'x4' sample panel, on-site, of each of the colors and finishes to be used in the installation on identical surfaces for approval by Resident Engineer with coordination by the Landscape Architect a minimum of one week prior to construction of the colored concrete work. The approved samples shall remain on-site and shall serve as a basis of comparison for all colored concrete work.

#### 308-2.3.1 General.

#### ADD:

#### 308-2.3.1.1 Weed Eradication.

Soil preparation and planting shall not be allowed until all weeds are removed from within the limits of planting areas as indicated on the plans.

The Contractor's labor shall possess demonstrated ability to identify the difference between desirable native species and invasive weeds.

Weed eradication for entire project site. After irrigation installation, but before planting installation, the Contractor shall irrigate the entire project site three (3) to four (4) times over seven (7) to ten (10) days to germinate existing weed seeds. Allow weed seeds to grow until they reach a maximum height of two to three inches (2" - 3"). A post-emergent herbicide shall then be applied per manufacturer's specifications and instructions. Avoid contact of herbicide with the existing plants to remain.

All herbicides used shall be compatible with use in the vicinity of water and shall be applied in accordance with the label specifications by personnel holding a valid pesticide and herbicide applicator's license. Herbicide use shall be approved by the Resident Engineer prior to application. Rodeo herbicide, or approved equal shall be used in or near areas of standing water or streams since it is non-toxic to aquatic organisms and should be applied only by a licensed pest control applicator in accordance with the manufacturer's instructions.

Pulled weeds and debris shall be transported and disposed of properly offsite immediately using approved methods to prevent any seed dispersal on the site.

The eradication of exotic plant species is required prior to any planting. All exotic vegetation within the planting areas shall be removed. Herbicide shall be applied to weedy vegetation (e.g., giant reed (*Arundo donax*), tamarisk (*Tamarix* sp.), pampas grass (*Cortaderia jubata*), tree tobacco (*Nicotina glauca*), yellow star-thistle (*Centaurea melitnesis*), cocklebur (*Xanthium* sp.), castor bean (*Ricinus communis*), annual beardgrass, and Bermuda grass (*Cynodon dactylon*), etc.) within the project area. All weedy species should be cleared approximately two weeks following herbicide application.

The Resident Engineer shall inspect the site prior to planting and during revegetation. The planting of hydroseed shall be conducted on a weed free site.

Manual weed eradication shall continue during planting and during the plant establishment period and maintenance period; no herbicides shall be used following the initial weed eradication unless authorized by the Resident Engineer. Weed seedlings and sprouts shall be removed before attaining 12-inches in height and/or before producing seed.

All areas where weed removal creates bare areas in excess of 25 square feet shall be reseeded.

Weed eradication for shrub areas and groundcover areas (planted from flats). Three (3) to four (4) days after these plants have been installed; the Contractor shall apply the pre-emergent herbicide per manufacturer's specifications and instructions.

## **308-2.3.2 Fertilizing and Conditioning Procedures.** First Paragraph, REVISE to read as follows:

The planting areas shall be ripped to a depth of 15" and brought to finish grade before spreading the fertilizer and soil conditioning materials specified.

Paragraph 2, REVISE to read as follows:

Soil amendment materials shall be uniformly spread at the prescribed rate. All hardscape shall be dry at time of application. The quantities of materials necessary for the planting area shall be at the site and shall be verified by delivery tickets furnished to the Engineer before spreading.

ADD the following:

Once rough grading has been accomplished, a minimum of (4) four soil samples from different representative areas of site shall be taken from areas approved by the Resident Engineer / Landscape Architect and a soil analysis performed to determine nutrient and mineral content, compositional characteristics, permeability, and existence of possible toxic elements. Soil test shall be conducted by a reputable agricultural soils laboratory approved by Landscape Architect. Analysis shall include recommendations for amending or correcting soil conditions. Results of soil analysis shall be received by Landscape Architect thirty (30) days prior to amending or soil and ordering amendments.

Based on the soils test results, the quantity or type of amendments may be modified by the Landscape Architect within 14 days of receipt of analysis.

Grub and clean all planting areas, removing all weeds, debris, and rocks from the site. All planting areas, 3:1 or less in steepness, shall be thoroughly tilled and loosened to a depth of fifteen (15) inches by approved method. Do not till near existing trees if roots are encountered.

All areas where existing soils are replaced with imported topsoil shall be backfilled and settled using applications of water to moisten soil and establish a stable finish grade. Areas which subside, and all depressions or irregularities shall be repaired, settled and grade re-established.

After all planting areas meet the finish grades per grading plan, the following rates of soil conditioning and amendment materials (or as modified by the soils report), shall be evenly spread over all planting areas and worked into the soil:

1) Soil amendments for all planting areas 3:1 or less in steepness (except hydroseeded areas):

Soil conditioner 4 cu. Yds/1,000 sq. Ft.

Gypsum 120 lbs/1,000 sq. Ft.

Iron sulfate 10 lbs/1,000 sq. Ft.

Soil sulphur 10 lbs/1,000 sq. Ft.

After leaching, apply:

10-10-10 fertilizer 25 lbs/1,000 sq. Ft.

Amendments shall be thoroughly tilled and blended into the existing soil to a depth of six (6) inches by approved methods.

Note: Soil amendments as specified are for bidding purposes only, actual types and quantities will be based on soil analysis (provided by Contractor) after rough grading.

Soil amendments, as specified, are for bidding purposes only. Actual types and quantities may be altered based on soil analysis (provided by Contractor) after rough grading.

- 2) In addition, after amending soil as described above, all lawn and shrub planting areas shall be sprayed with "Sarvon" at the rate of 6 gallons/acre (or 1 qt./2,000 sq. ft.) immediately prior to leaching.
- 3) Hydroseeded Area: Apply michorrizal inoculum to all hydroseeded areas per manufacturer's directions. Amendments are not required for Hydroseeded Area except as specified in the hydroseed components.

## Deep Water Leaching:

- 1) After complete installation and testing of the irrigation system and tilling soil amendments, all on-grade areas shall be deep water leached, compacted and settled by repeated application of irrigation water until the soil has received a minimum of 12" of water, and has been thoroughly moistened to a depth of 24".
- 2) After leaching operation, 4 soil samples shall be taken by Contractor per Resident Engineer's / Landscape Architect's direction and given to the soil laboratory for testing. Soil test shall meet the following requirements:

EC - Maximum 3.00

pH - Maximum 7.50

Minimum 6.0

## Post Planting Fertilizer:

The Contractor shall apply post-plant 14-7-3 fertilizer at the rate of twenty pounds (20 lbs.) per 1,000 sq.ft., sixty (60) days after planting and once again at the end of the post-construction maintenance period.

## **308-2.4 Finish Grading.** First Sentence, REVISE to read as follows:

The finish grade shall be smooth, uniform and free of abrupt grade changes and depressions to ensure surface drainage as indicated on plans. Contours and finish grade shall provide for drainage to sheet flow and shall not channel drainage in a manner where volume and velocity of water will create surface erosion.

## ADD the following:

Finish grade shall insure positive drainage from the site. Surface drainage shall be away from all building foundations. The Resident Engineer shall approve the final grades and elevations before planting operations may begin.

## 308-4 PLANTING.

## **308-4.1 General.** ADD the following:

The Contractor shall be responsible for managing the site and performing planting, maintenance and corrective measures to the best advantage of the plant material to promote healthy growth, establishment and success of the plantings. This shall include providing for drainage, irrigation, repair of damaged features, correction of deleterious conditions, maintaining a proper soil moisture level, weeding, fertilization, protection, temporary measures to promote establishment and other reasonable maintenance and construction efforts needed to provide for the successful establishment of the plant materials during the entire contract period.

The Contractor shall not install planting as shown in the plans when it is obvious in the field that conditions exist which are detrimental to plant survival and growth. Such conditions shall be brought to the attention of the Resident Engineer. The successful establishment of the plantings during the entire contract period is the Contractor's responsibility.

Actual planting shall be performed during those periods when weather and soil conditions are suitable and in accordance with locally accepted horticultural practice, as approved by the Resident Engineer / Landscape Architect. No planting shall be done in any areas until it has been satisfactorily prepared in accordance with these specifications. Soil moisture level prior to planting shall be no less than 75% of field

capacity. The determination of adequate soil moisture for planting shall be the sole judgment of the Resident Engineer / Landscape Architect and his decision shall be final. The Contractor shall obtain approval from the Landscape Architect of planting pits before planting operations shall begin. If the soil moisture level is found to be insufficient for planting, all planting pits shall be filled with water and allowed to drain before starting planting operations. No more plants shall be distributed in the planting area on any day than can be planted and watered on that day. All plants shall be planted and watered as herein specified immediately after the removal of the containers. Containers shall not be cut prior to placing the plants in the planting area.

Percolation Test: Prior to installing plants, Contractor shall perform a minimum of three percolation tests in representative areas of the site to verify acceptable natural drainage for planting pits. Tests shall be performed as follows:

- 1) Dig a pit 2'x 2' x 2' deep.
- 2) Fill with water to top and cover with plywood and barricade to protect pedestrians.
- 3) Make daily observations noting the depth of water each day.
- 4) Report to the Resident Engineer the length of time that the water takes to drain completely from each hole. If water drains from the hole within one day, refill with water. Based on this test, the Resident Engineer will confer with the Landscape Architect and will make a determination of whether additional drainage measures will be required for boxed size tree plantings.

No plants shall be installed until percolation tests have been observed by the Resident Engineer and a determination made that no further drainage measures are required.

Planting shall not be performed if plant pits contain standing water, or if pits are over saturated to a condition which may result in an unhealthful condition for the plant. It is the Contractor's responsibility to provide a suitable growing condition for the plant material and to maintain that condition throughout the entire contract period.

If requested by the Contractor, the Resident Engineer, and/or designated representative, will visit the nursery from which trees are procured to inspect the trees prior to delivery to the site. The Contractor shall reimburse the City for all time spent driving to and from the nursery and inspecting the trees at an hourly rate of \$105/hour or fraction of hour.

It is in the Contractor's interest to have the Resident Engineer (or designated representative) visit the nursery and inspect the Contractor's selected trees prior to delivery to the site. This may prevent extra shipping expenses to the Contractor for trees delivered to the site, but subsequently rejected by the Resident Engineer. This does not preclude the Resident Engineer from rejecting any trees delivered to the site which, upon inspection at the site, do not meet the criteria for acceptance as previously outlined.

After approval and transportation, and upon arrival at the construction site, the City's Landscape Inspector will inspect the plants for any damage that may have occurred in transit. Plants that have been damaged in transit may be rejected at no cost to the City in accordance with the Project Special Technical Provisions, Section 212-1.4.1.

## **308-4.2 Protection and Storage.** ADD the following:

The Contractor's on-site plant storage area shall be approved by the Resident Engineer/ Landscape Architect prior to the delivery of any plant materials. Any plants determined by the Resident Engineer /Landscape Architect to be wilted, broken, or otherwise damaged shall be rejected at any time during the project,

whether in the ground or not. All plants shall be handled by their containers. Any plant that has been handled by its trunk or stem shall be rejected. All rejected plants shall be removed from the site immediately.

## ADD:

## 308-4.2.1 Existing Tree, Shrub and Ground Cover Protection.

The work is to be performed in areas of existing planting and irrigation. The Contractor shall take precautions to minimize the disturbance to adjacent planted areas and is required to replace in kind any irrigation or planting disturbed by the work.

Identify and protect from damage all individual plants and areas of planting to remain by appropriate means. The Contractor shall provide equivalent size replacement plants in the event that the death or decline of existing plants to remain is attributable to the Contractor's negligence or lack of protection as determined by the Resident Engineer.

No storage of construction equipment or construction materials, nor stockpiling of soil or debris shall be placed within 1'-0" from the trunk for every 1" caliper of any existing tree.

All plants to remain on-site shall be watered and irrigated as necessary during the entire construction contract to provide for the health of the plant. Any plants required to be removed, boxed and set aside for future installation shall be watered, and maintained by the Contractor in a healthy condition until replanted or until the end of the maintenance period.

The pruning and trimming of the limbs and roots of plant materials to remain within the project scope shall be done by tradesmen experienced in this type of work. The removal of any limbs, branches, and roots shall be done only after conferring with the Resident Engineer.

## ADD:

## 308-4.2.2 Excavation Adjacent To Existing Trees, Shrubs, and Ground Cover to Remain.

Trenching within the drip line of trees and shrubs shall be avoided. It is the intent of the plans that the Contractor provide an alternate routing of trenching to avoid cutting through roots of existing trees.

Where it is necessary to excavate in close proximity to existing trees and shrubs, all possible caution shall be exercised to avoid injury to roots and trunks. In the event it is necessary to cut the roots of an existing tree, the tree shall be pruned prior to excavation to reduce the foliage volume by the same percentage as the approximate percentage of roots removed. Pruning of trees on private property shall not be done without written permission of the property owner.

Excavation within the drip line of the tree shall be done by hand, tunneling under roots 1" in diameter and larger, and shall be done only on the approval of the Resident Engineer and Landscape Advisor. The exposed roots of trees shall be covered and shaded by moist burlap or canvas until the trench is backfilled.

#### 308-4.6 Plant Staking and Guving.

## **Method A Tree Staking (Single Stake).** DELETE in its entirety and SUBSTITUTE with the following:

The tree shall be staked with the type and length of stake specified on the plans or in these Special Provisions. The stake shall be placed at the windward side of the tree and positioned adjacent to the root ball. The stake shall be vertical and driven 300 mm (12 inches) into undisturbed soil. The trunk shall be secured to the stake with one tie just below the head of the tree. The tie shall be the approved tree tie. tie. The loop shall be 25 mm (1 inch) greater in diameter than the trunk. The tie shall be attached to the pipe through a hole drilled at the tie location described above.

Payment for tree staking shall be included in the unit price paid for trees and no separate payment will be allowed therefore.

## **Method B Tree Staking (Double Stake).** DELETE in its entirety and SUBSTITUTE with the following:

All 15 gallon, 24" box and 36" box size trees shall be double staked. Refer to section 212-1.5.3 of these Special Provisions for approved staking materials and guying materials.

The tree shall be staked with the type and length of stake specified on the plans or in the special provisions. One stake shall be placed 450 mm (18 inches) from each side of the tree trunk, unless directed otherwise by the Resident Engineer. Ties shall be made of 25 mm (1-in) or wider flexible plastic ribbon material having a minimum tensile strength of 2.2 kN (500 pounds). Four ties shall be used; two at 50 mm (2 in) from the top of each stake and two at 0.6 m (2 ft.) above the ground. Ties shall be loops secured to the stake on one end and shall be long enough to provide for 75 mm (3 in.) of slack to permit the tree trunk limited movement in any direction.

Payment for tree staking shall be included in the unit price paid for trees and no separate payment will be allowed therefore.

## **308-4.6.3 Guying.** DELETE in its entirety and SUBSTITUTE with the following:

All boxed trees over 36" box shall be guyed. Guying shall be done immediately after planting. Three guys per plant shall be installed in accordance with the following:

- 1) Each guy shall be secured to the appropriate main branch by a twisted loop of No. 12 BWG galvanized iron wire housed in garden hose.
- 2) Each guy shall be anchored to a driven stake located at a horizontal distance from the tree equal to the vertical distance from ground to the connection of guy wire on the tree branch.
- Each guy shall be covered with highly visible garden hose or plastic tubing to a height of 1.8 m (6 feet) above grade.
- 4) Slack in each guy shall be removed by hand so as not to bend or twist the plant.

# **Ground Cover and Vine Planting.** Second paragraph, REVISE to read as follows: Soil shall be moist within the total root zone of the material being planted.

## 308-4.8 Lawn Planting.

**308-4.8.3 Sod.** Second paragraph, second sentence: change the word "conditioning" to "preparation".

## ADD the following:

Preparation of soil: After conditioning of soil, area to be planted with lawn sod shall be raked, floated and rolled to finish grade; smooth and even, free of rocks and clods, and reasonable well firmed. Prior to planting, the surface of the area shall be sufficiently loose, moist, and friable to receive the sod.

Sodding: Sub-soil finish grade shall be sufficiently below final grade to allow for the thickness of the sod. Sod slabs shall be laid promptly after delivery to job site. In hot, dry, or windy weather, stacked sod at job site shall be lightly sprinkled with water to prevent slab edges from drying excessively. Sod slab ends and sides must be butted together for a close fit and in a staggered pattern without overlapping, parallel to lay of land.

Initial Watering: Immediately following planting, sod shall be thoroughly watered and kept sufficiently moist until the sod has rooted.

Final Compaction: Fully germinated and rooted lawn areas shall be allowed to dry sufficiently to permit rolling with a two hundred to three hundred pound water weighted roller to compact the soil around grass and roots and to provide a firm, smooth mowing surface.

Filling: Following compaction and irrigation settlement, all depressed areas shall be filled with screened conditioned top soil and re-sodded.

Protection: The lawn areas shall be protected against foot traffic and other use. Damaged areas shall be repaired immediately.

Finishing: After planting operations are completed, the top surface of the lawn areas shall be left smooth and visually even, with no ridges, rises or depressions.

#### ADD:

#### 308-4.8.4 Measurement and Payment.

Lawn Sod shall be measured by the square foot. Payment for Lawn Sod shall be included in the lump sum project cost and shall include full compensation for furnishing all labor, materials, tools, equipment, all incidentals necessary to provide a complete installation, and for doing all the work involved in installing lawn sod, complete-in-place, as shown on the plans, as specified in these Special Provisions and as directed by the Resident Engineer.

## **Seeding and Mulching.** DELETE in its entirety and SUBSTITUTE with the following:

Seed, fertilizer, mulch, and other specified materials shall be applied on slopes by Method B described in 308-4.8.2. Method B Hydroseed shall be composed of materials as follows:

Hydroseed shall consist of a mixture of bonded fiber matrix, seed, commercial fertilizer, binder, and water. Mixture will be as specified as follows:

The hydro-mulch slurry mixes shall be applied in a two (2) step process which allows seed to be in close contact with soil. The hydro-mulch shall be applied at the following rates:

Step 1: Seed Application Hydro-mulch:

Bonded Fiber Matrix (BFM): 500 lbs. per acre. Fertilizer (Pre-Plant12-12-12): 100 lbs per acre

Water: As required per manufacturer's instructions

Mycorrhizal Inoculum: 60 lbs. per acre.

Seed Mix: Pure live seed in weights as indicated on plans

Step 2: Erosion Control Hydromulch

Bonded Fiber Matrix (BFM): 2,500 lbs. per acre.

Water: As required

Contractor must provide the Resident Engineer with seed "bag tags" and receipt forms prior to installation of hydroseed mixture.

All bare spots shall be re-seeded and mulched by the Contractor within thirty days of the initial application.

The preferred time for performing seeding is between the dates of October 15 and November 30 or before the first substantial winter rains if this is not possible, seeding shall occur between October 15 and February 28. Since an irrigation system is specified for the slope areas, seeding of those areas can be performed between September 15 and March 15, if the site is ready for seeding.

Seeding shall be started only after weed eradication, soil preparation and finish grading has been completed and soil has been permitted to settle.

Floating: After finish grading, deep watering, the areas to be seeded shall be loosened to a depth of two inches, raked, and floated to the final finish grade by a standard method acceptable to the Resident Engineer/Project Biologist (Restoration Ecologist), with the finish surfaces left even and smooth, free from ridges and depressions and reasonably well firmed.

All seed shall be separated and containerized by species. Each species of seed shall be labeled with the species, purity, germination, percent live seed and quantity of the seed in pounds. Save all seed tags and provide to the Resident Engineer with a small sample of seed from the seed containers prior to mixing to verify the seed quality.

Seeding application is to be performed prior to application of the hydromulch so that seed is in direct contact with the soil.

The seed shall be evenly applied over the entire area at the rates indicated for each area. During the sowing, care shall be exercised to keep uniform seed spacing. Seeding shall not be performed during times when wind may cause uneven distribution of the seed.

## ADD: 308-4.10 Mulch.

Install mulch in a minimum 3" depth layer in areas indicated on plans. Depth shall be uniform. Taper the mulch to the crown of plant trunks, and keep mulch free of the area within 2" of trunk of plant.

Bark Mulch shall be measured by the square foot. The contract unit price paid for mulch shall be included in the lump sum project cost and shall include full compensation for furnishing all labor, materials, tools, equipment, all incidentals necessary to provide a complete installation, and for doing all the work involved in supplying and installing bark mulch, complete-in-place, as shown on the plans, as specified in these Special Provisions and as directed by the Resident Engineer.

#### **308-5.1 General.** ADD the following:

Contractor shall provide a temporary water supply from an approved source to irrigate existing plants until the permanent water source is operable. Contractor shall submit shop drawings and description of the temporary water supply to the water authority and City for approval. The temporary water supply shall be of adequate pressure and gallonage to operate the existing irrigation system and other required irrigation equipment at its designed capacity.

Contractor shall furnish any and all temporary electric power required to operate irrigation controllers during construction period or until permanent electrical power has been furnished.

Contractor shall check and verify the water pressure at P.O.C. prior to beginning of work. Notify Resident Engineer of any discrepancy between pressure indicated on plans and actual water pressure.

Contractor shall check and verify all site conditions, utilities, and services prior to trenching. Verify point of connection location prior to beginning of work.

Plans are diagrammatic and approximate. All piping, valve boxes, backflow preventers, etc., shall be located in planting areas. No irrigation equipment except pipe crossings and electrical crossings shall be located in or under sidewalks or in the street. Except where street crossings or trench rerouting is required to protect existing trees.

All irrigation equipment shall be installed, flushed, pressure tested, and the coverage test approved prior to plant installation.

## 308-5.2 Irrigation Pipeline Installation.

## **308-5.2.1 General.** DELETE first and second paragraphs and REVISE the following:

ADD the following:

Trenches through paved areas shall be resurfaced in accordance with 306-1.5.

Concrete thrust blocks, minimum 1 cu. ft. with sufficient bearing area to resist the thrust of water, shall be constructed against undisturbed earth at all changes of direction exceeding 45 degrees for pressure mainline pipe larger than 2", thrust blocks shall be installed at gate valves, tees, elbows, crosses, and ends of pipe runs; or wherever the Resident Engineer deems one to be necessary. Thrust blocks are to be installed as per Standard Drawings WT-01 and SDW-100, sized as for 4" pipe.

Contractor shall install sleeves and chases where any waterline or controller wire passes under paving. Sleeves and chases shall extend 12" beyond each side of the improvement. The letter "E" for electrical or the letter "W" for water shall be stamped or chiseled on the improvement directly above the chase or sleeve. The chases shall be a minimum 15" deep for electrical and the sleeves 21" below grade for water. Sleeves and chases shall be Schedule 40 PVC, typical. The diameter of the sleeve shall be two (2) pipe sizes larger than the diameter of waterline, to be installed in sleeve.

All pressure pipe shall have a continuous blue colored trench marker metallic tape placed nine inches (9") below finished grade directly above the buried pipe. Marker tape shall be "Alarmatape" as manufactured by Paul Potter Warning Tape, Inc., or approved equivalent.

Avoid installing pipe through proposed tree locations to avoid conflict with root ball.

## **308-5.2.4 Copper Pipeline.** First Paragraph, ADD the following:

Copper pipe shall be cut square and all burrs and fins removed.

Second paragraph, change 50 - 50 to 40 - 60.

## **308-5.3 Installation Of Valves, Valve Boxes, And Special Equipment.** Sixth paragraph, ADD the following:

The Contractor shall rework the locking toggles of the concrete valve boxes by replacing the existing clevis pin and sheet metal clip with a cadmium-plated machine bolt and self-locking nut. Apply oil to lubricate and to prevent rust. The Contractor shall paint the identification number of the valve and the controller clock on the cover of the valve box. Valve boxes shall be sized accordingly to allow wires in pull boxes to be loose and maintain a three inch (3") clearance from the lid. All wires in pull boxes shall be loose and shall not come within three inches 75 mm (3 inches) from lid. Boxes shall be sized accordingly to accommodate this requirement.

Last paragraph, ADD the following:

Backflow preventers shall be installed as specified on the contract documents.

## 308-5.4 Sprinkler Head Installation and Adjustment.

## **308-5.4.1 General.** ADD the following:

Plans are diagrammatic and approximate. Precise location of heads / bubblers shall be field adjusted to meet minor variations in the plan.

**Automatic Control System Installation.** Third paragraph, REVISE second sentence to read as follows: When the valve is to be housed in a valve box, it shall be installed with at least a 100 mm (4-inch) minimum to a 150 mm (6-inch) maximum clearance below the cover.

Third paragraph, ADD the following: Valve boxes shall be set to finish grade on an unmortared brick foundation.

Seventh paragraph, ADD the following:

Controllers, 12 volt conductors and valve actuators shall be installed in conformance with the controller manufacturer's instructions.

Eighth paragraph, ADD the following:

Control wiring or hydraulic control tubing shall be housed in conduit between the controller and a point at least one foot outside the limits of the controller foundation, or the structure foundation and where the controller is housed. All other wiring and hydraulic control tubing issuing from the conduit shall be direct burial installed in main or lateral water line trenches wherever practicable. The wiring or tubing shall be installed in the lower corner of the irrigation pipeline trench. Sufficient slack shall be left in the wiring or tubing to provide for expansion and contraction. When the control wiring or tubing cannot be installed in a pipe trench, it shall be installed a minimum of 18 inches below finish grade.

## **308-5.6.1** General. First paragraph, after second sentence, ADD the following:

Flush all pipes clean prior to installing sprinkler heads. Do not allow water from irrigation flushing to enter plant pits where water would result in over-saturation of soil creating an unhealthful condition for plant materials.

## **308-5.6.2 Pipeline Pressure Test.** ADD the following:

Mains larger than 2 inches, asbestos cement mains and mains employing socket and spigot gasket joints shall be tested in accordance with section 306-1.4. If leaks develop, repair leaking portions and repeat test until entire system is proven watertight. Test shall be observed and approved by Resident Engineer prior to backfilling trenches.

## 308-5.6.3 Sprinkler Coverage Test.

When system is complete, and prior to planting, the Contractor shall perform a coverage test in the presence of the Resident Engineer.

#### ADD:

## 308-5.12 Operation and Maintenance Manuals.

Prepare and deliver to the Resident Engineer within ten calendar days prior to completion of construction, two (2) three ring hard cover binders containing the following information:

Index sheet stating Contractor's address and telephone number, list of equipment with name and addresses of local manufacturers' representatives.

Catalog and parts sheets on all material and equipment.

Contractor Guarantee statement.

Complete operating and maintenance instructions for all equipment.

In addition to the above mentioned maintenance manuals, provide the maintenance personnel with instructions for maintaining equipment and show evidence of such instruction in writing to the Resident Engineer at the conclusion of the project.

Payment for operation and maintenance manuals shall be included in the lump sum price for irrigation, and no additional compensation shall be allowed.

## ADD:

## 308-5.13 Extra Equipment.

Contractor shall provide to the Resident Engineer:

Three (3) keys for opening and locking each automatic controller enclosure.

Two (2) globe valve keys with a minimum four (4) foot long handle.

Five (5) sprinkler heads with nozzles, screens and flexible swing joints of each type used on the project.

Five (5) quick coupler keys with swivel hose ells to match quick coupler valves used on the project.

Payment for extra equipment shall be included in the lump sum price for irrigation system, and no additional payment will be allowed.

### 308-5.14 Payment For Irrigation System.

The contract price paid for Irrigation System shall be included in the lump sum project cost and shall include full compensation for furnishing all labor, materials, tools, equipment, all incidentals necessary to provide a complete installation, and for doing all the work involved, including sprinklers, pipe, valves, backflow preventer inspections, valve boxes, controllers, trenching, backfilling, wiring, quick coupler valves, gate valves, mainline, inspections and coordination, and all other components to provide a complete and operable irrigation system, complete-in-place, as shown on the plans, as specified in these Special Provisions and as directed by the Resident Engineer.

## 310-5 Painting Various Surfaces.

## 310-5.6 Painting Traffic Striping, Pavement Markings And Curb Markings.

### 310-5.6.1 General.

The line item for Traffic Striping and Signage shall provide for new traffic striping and markings and for the removal and replacement of all existing traffic striping, markings and curb markings to be done per Plan No G-4. Striping and markings such as symbols, directional arrows, words, crosswalks and stop bars shall be done in thermoplastic. Yellow striping and vehicle parking lines shall be done in paint.

## 310-5.6.7 Layout, Alignment And Spotting.

The Contractor shall be fully responsible for any and all layout work. The Contractor shall establish all striping between control points by string-line or other methods to provide striping that will not vary more than one-half inch in fifty feet from specified alignment.

## 310-5.6.8 Application Of Paint.

Paint shall not be applied until the layout of the surface has been approved by the Inspector.

## 310-5.6.10 Payment.

Payment for Traffic Striping and Signage shall be included in the lump sum contract price and shall be considered as full compensation for furnishing all labor, materials, tools and equipment necessary to complete this work in conformity with the Plans, Permits and Specifications and no additional compensation will be made therefore.

#### ADD:

#### 313 - STREET SIGNAGE

## 313-1 Signs.

Install signs in conformance with the City of San Diego standards for signs. California Park Bond Act Sign shall be provided by the City for installation by Contractor on two 2" diameter galvanized steel posts with min. 2 cubic foot concrete footings. Signs shall be upright, stable, and shall be thoroughly cleaned after installation.

## **314-1.1 General.** ADD the following:

This work shall consist of furnishing and placing pavement markers at the locations in accordance with the provisions specified in these Contract Documents and the Manual for Uniform Traffic Control Devices, where noted. The markers shall conform to the shape, dimensions and tolerances shown in the Manual for Uniform Traffic Control Devices (MUTCD). The Contractor shall be fully responsible for any and all layout work.

## **Payment.** DELETE in its entirety and replace with the following:

Payment for all work to place pavement markers within the limits of work shall be considered included in the lump sum contract price and shall include full compensation for furnishing all labor, materials, tools and equipment to complete this work in conformity with the Plans, Permits and Specifications and no additional compensation will be made therefore.

### ADD:

### SECTION 315 - SITE FURNISHINGS INSTALLATION

## 315-1 General Installation Requirements.

Install all factory-fabricated landscape furnishings per manufacturer's specifications and recommendations. All components shall be firmly and permanently affixed to concrete base or footings to the satisfaction of the Resident Engineer and in conformance with the manufacturer's instructions. Anchor bolts cast into the concrete shall reinforce all attachments. Tamper-resistant connectors shall be used to prevent theft.

See construction plans and details for location and layout and model numbers of furnishings.

Apply anti-graffiti coating as required prior to installation, and after the appropriate curing time for all materials to avoid discoloration.

Clean-up: The site shall be kept clean and free of tools, trash, debris and installation materials on a daily basis. Material may be stored on-site during installation with appropriate protective measures and approval by the resident engineer.

Close out: contractor shall provide the owner with one copy of complete manufacturers installation instructions and maintenance kit.

### 315-2 BENCH.

#### 315-2.1 Installation.

Benches shall be located where shown on the plans. Install benches in accordance with manufacturer's instructions and recommendations. Install benches accurately and in the correct orientation and relationship with the concrete paving as shown on the drawings. Benches shall be affixed to the concrete pavings with epoxy.

Perform cleaning during installation of the work and upon completion of the work. Remove from site all excess materials, debris, and equipment. Repair damage resulting from installation work. Protect the benches from damage throughout construction work.

## 315-2.2 Measurement and Payment.

Payment for 'benches' shall be included in the lump sum project cost and shall include full compensation for furnishing all labor, material, equipment, tools and incidentals required to complete the work specified and no additional compensation will be made therefore.

#### 315-3 TRASH RECEPTACLE INSTALLATION.

#### 315-3.1 Installation.

Trash receptacles shall be located where shown on the plans. Install trash receptacles in accordance with manufacturer's instructions and recommendations. Install trash receptacles accurately and in the correct orientation and relationship with the concrete paving as shown on the drawings. Trash receptacles shall be affixed to the concrete pavings with epoxy.

Perform cleaning during installation of the work and upon completion of the work. Remove from site all excess materials, debris, and equipment. Repair damage resulting from installation work.

Protect the trash receptacles from damage throughout construction work.

## 315-3.2 Measurement and Payment.

Payment for 'trash receptacles' shall be included in the lump sum project cost shall include full compensation for furnishing all stainless steel fasteners, expansion shields, adhesive, labor, material, equipment, tools and incidentals required to complete the work specified and no additional compensation will be made therefore.

## 315-4 DRINKING FOUNTAIN INSTALLATION.

### 315-4.1 Installation

Provide and install drinking fountain as shown on the drawings, and as specified in this section.

The Contractor shall submit the manufacturer's product data (including finish data) and installation specifications and other data required to demonstrate compliance with the specified item.

Deliver, store, and handle all materials to prevent damage and deterioration.

Do not install drinking fountain before completion of final grading, and concrete paving.

Examine sub-grades, finished surfaces, and installation conditions. Do not start drinking fountain work until unsatisfactory conditions are corrected.

Remove loose material and debris from base surface before placing drinking fountain.

Locate and layout drinking fountain, boxes and sump and Obtain Engineer's acceptance of layout prior to installation.

Install all drinking fountains per manufacturer's specifications and/or recommendations and comply with all local plumbing codes. Attach securely to grade as recommended by the manufacturer, using vandal resistant stainless steel anchor bolts appropriate for the installation. Installation shall be secure and stable.

Drinking fountain shall be set in place as indicated on the plans and as approved by the Engineer. Legs shall be fabricated, cut or ground to fit grade to provide a level installation at the specified height. Installed drinking fountain shall be true and square to paving design, installed level and shall not wobble.

Locate and connect to potable water source at existing restroom including trenching and waterline. Check for leaks.

Perform cleaning during installation of the work and upon completion of the work. Remove from site all excess materials, debris, and equipment. Repair damage resulting from landscape furnishings work.

Protect drinking fountain from damage during construction.

### 315-4.2 Measurement and Payment.

Drinking Fountain shall be measured for payment by the unit. Payment for Drinking Fountain shall be included in the lump sum project cost and shall include full compensation for furnishing all labor, materials, tools, equipment, attachment to surface, plumbing, water connection, shut-off, drain sump and incidentals, and for doing all the work involved in providing the Drinking Fountain, complete in place, as shown on the Plans and as specified in these Special Provisions.

### 315-5 BIKE RACK.

#### 315-5.1 Installation.

Bike racks shall be located where shown on the plans. Install bike racks in accordance with manufacturer's instructions and recommendations. Install bike racks

accurately and in the correct orientation and relationship with the concrete paving as shown on the drawings.

Perform cleaning during installation of the work and upon completion of the work. Remove from site all excess materials, debris, and equipment. Repair damage resulting from installation work. Protect the bike racks from damage throughout construction work.

## 315-5.2 Measurement and Payment.

Payment for 'bike racks' shall be included in the lump sum project cost and shall include full compensation for furnishing all labor, material, equipment, tools and incidentals required to complete the work specified and no additional compensation will be made therefore.

### 315-5.3 REMOVABLE BOLLARDS.

### **315-5.3.1 Installation.**

Bollards shall be located where shown on the plans. Install bollards in accordance with manufacturer's instructions and recommendations. Install bollards plumb, accurately and in the correct orientation and relationship with the concrete paving as shown on the drawings.

Install bollards within thickened concrete paving areas at a minimum of 10" depth and coordinate locations of grout pockets per bollard manufacturer template. Coordinate installation of bollards with Concrete Sidewalk Contractor and/or installers of adjacent materials. Protect bollards during construction of paving work by covering with plastic or other protection.

Perform cleaning during installation of the work and upon completion of the work. Remove from site all excess materials, debris, and equipment. Repair damage resulting from landscape furnishings work.

Protect the bollards from damage throughout construction work.

## 315-5.3.2 Measurement and Payment.

Bollards shall be measured for payment by the unit. Payment for bollards shall be included in the lump sum project cost and shall include full compensation for furnishing all labor, footings, materials, tools, equipment, and incidentals, and for doing all the work involved in providing the bollard, complete in place, as shown on the Plans and as specified in these Special Provisions.

## 315-6 PLAY AREA IMPROVEMENTS INSTALLATION.

## 315-6.1 2-5, 5-12, AND SWING STRUCTURES INSTALLATION.

Explicit installation instructions shall be provided by the manufacturer, which shall include detailed, scaled plan view, elevations footing drawings and details, as well as written instructions to assure proper installation of the playground equipment, structure or modular unit.

Playground equipment must be installed by a manufacturer certified installer and be installed in accordance with the manufacturer's installation specifications. Installation crew leader must be LSI (Landscape Structures, Inc.) certified. Contractor shall contact a minimum of 48 hours in advance to have a CPSI certified County Inspector to inspect the play equipment and rubber surfacing prior to acceptance. Any non-conforming items shall be repaired or replaced before acceptance.

Install all factory-fabricated landscape furnishings per manufacturer's specifications and recommendations. All components shall be firmly and permanently affixed to concrete base or footings to the satisfaction of the Resident Engineer and in conformance with the manufacturer's instructions. Anchor bolts cast into the concrete shall reinforce all attachments. Tamper-resistant connectors shall be used to prevent theft.

See construction plans and details for location/layout and model numbers of play equipment.

All equipment installations shall observe the manufacturer's recommended safety zones. Safety zones shall be completely contained in the resilient surfacing area.

Clean-up: the site shall be kept clean and free of tools, trash, debris and installation materials on a daily basis. Material may be stored on-site during installation with appropriate protective measures and approval by the resident engineer.

Close out: contractor shall provide the owner with one copy of complete manufacturers installation instructions and maintenance kit. Each manufacturer sends at least two sets of installation manuals with each order. Additional sets of installation instructions should be purchased from the manufacturer if originals are lost or damaged. It is the contractor's responsibility to secure the installation instructions from the installer.

## 315-6.2 Measurement and Payment.

The 2-5 year old play structure, 5-12 year old play structure, and swing set structures, shall be measured for payment by each structure complete and in place. Payment shall be included in the lump sum project cost and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in providing each play structure unit, complete in place, as shown on the Plans and as specified in these Special Provisions and directed by the Resident Engineer.

## 315-6.3 RESILIENT RUBBER SURFACING INSTALLATION

### 315-6.3.1 Site Preparation

- a) **Finished Grade/Slope.** Verify that finished elevations of adjacent areas are as indicated on the architectural or site plans, that the appropriate sub-grade elevation has been established for the particular safety surface to be installed, and that the subsurface has been installed per architectural, site or equipment plans while meeting accessibility and use zones requirements.
- **Sub base.** Tolerance of concrete or bituminous sub base shall be within 1/8 inch (3.0 mm) in 10 feet (3050 mm). Tolerance of aggregate sub base shall be within 3/8 inch (10mm) in 10 ft (3050 mm). Verify that aggregate sub base has been fully compacted in 2" watered lifts to 95 percent or greater.
- c) Curing of Asphalt and Concrete. If poured in place surfacing is installed, verify that concrete Sub base has cured (All areas appear white in color usually between 3-7 days) and that all concrete curing compounds and other deleterious substances that might adversely affect adhesion have been removed. Surface shall be clean and dry. Asphalt cure time requires fourteen (14) days. Once the new asphalt has cured, it must be pressured washed prior to the surfacing being installed. The contractor shall be responsible for flooding the pad to insure proper slope and tolerance. Any areas holding enough water to cover a flat nickel shall be patched prior to arrival of our installation crews.

**d) Drainage.** Verify that sub-surfacing drainage, if required, has been installed to provide positive drainage.

#### **315-6.3.2** Installation

- a) **Poured in Place Surfacing.** Components of the poured in place surfacing shall be mixed on site in a rotating tumbler to ensure components are thoroughly mixed and are in accordance with manufactures recommendations. Installation of surfacing shall be seamless up to 2,000 square feet per day and completely bonded to concrete of sub base. Material shall cover all foundations and fill around all elements penetrating the surface.)
- b) Cushion Layer. Whenever practical, cushion layer of surfacing material shall be installed in one continuous pour on the same day of up to 2,000 square feet. When a second pour is required, step the seam (see detail) and fully coat the step of the previous work with polyurethane binder to ensure 100 percent bond with new work. Apply adhesive in small quantities so that new cushion layer can be placed before the adhesive dries.
- c) Wear Course. Wear Course must be either high quality peroxide cured EPDM, TPV or Treated SBR granules. Wear surface shall be bonded to Cushion Layer. If necessary, additional primer will be used between the cushion layer and Wear Course. Apply adhesive to Cushion Layer in small quantities allowing the Wear Course to be applied before adhesive dries. Surface shall be hand troweled to a smooth, even finish. Except where the Wear Course is composed of differing color patterns, pour shall be continuous and seamless up to 2,000 square feet per day. (Contact sales representative for seamless installations in excess of 2000 square feet) Where seams are required due to color change, size or adverse weather, a step configuration will be constructed to maintain Wear Course integrity. The edge of initial pour shall be coated with adhesive and wearing surface mixture shall be immediately applied. Pads with multiple seams are encouraged to include a top coat of urethane before being placed into use. Butt joint seams are not acceptable except for repairs. Under special conditions and with owners written approval seams may be permitted in same color pad. Consult with manufacturer for specific applications.
- **Perimeter.** For installations over existing concrete, the perimeter must be saw cut to provide a keyway 1" deep x 1" wide, or formed during the pour, with surfacing rolled down inside void. Primer adhesive must be applied to all sides of the void. When connecting to a concrete curb or boarder the inside vertical edge shall be primed with adhesive and the final 2" of the cushion layer shall be tapered to allow the wear surface material to be 1.5"- 2" thick where it joins the concrete edge.
- **Retaining edge.** When installing over new or existing asphalt, a curb or other type of border must be installed around the entire pad. Primer adhesive must be applied to the inside vertical edge of the border before PIP surface installation.

- f) Thickness. Construction methods, such as the use of measured screeds or guides shall be employed to ensure that full depth of specified surfacing material is installed. Surfacing system thickness throughout the playground equipment use zone shall be as required to meet the impact attenuation requirements specified herein.
- **Clean Up.** Manufacturer's installers shall work to minimize excessive adhesive on adjacent surfaces or play equipment. Spills of excess adhesive shall be promptly cleaned.
- **Protection.** The safety surface shall be allowed to fully cure in accordance with Manufacturer's instructions. The surface shall be protected by the owner from all traffic during the curing period of 48 hours or as instructed by the manufacturer.
- i) Manufacturer's Services. For poured in place safety surfacing, a manufacturer's representative who is experienced in the installation of playground safety surfacing shall be provided. The representative shall supervise the installation to ensure that the system meets the impact attenuation requirements as specified herein.

### 315-7 INDEPENDENT PLAY AUDIT.

The Contractor shall be responsible for providing an Independent Audit of the playground area, resilient surfacing and all play equipment. The audit shall be conducted by a third-party Certified Playground Safety Inspector approved by the Park and Recreation Department. The audit shall confirm compliance with the most current versions of accessibility and safety standards, including, but not limited to, the following: Americans with Disabilities Act (ADA), Consumer Product Safety Commission's (CPSC) "Handbook for Public Playground Safety", and the American Society for Testing and Materials (ASTM) "Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment for Public Use," "Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment" and "Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment."

The Contractor shall be responsible for correcting any items found not to be in compliance with the above standards as a result of the Audit. The Contractor shall provide to the Park and Recreation Department, Landscape Architect, and Resident Engineer, written certification, signed by the certified playground safety inspector stating that the playground area, surfacing, and play equipment is in compliance with all current applicable accessibility and safety standards.

The cost of the play audit shall be included in the cost of the play equipment, and no additional payment shall be made.

#### ADD:

#### SECTION 318 – PIPE INSTALLATION.

### 318-1 General.

Domestic water supply piping to drinking fountain shall be installed as indicated on the drawings and in conformance with state and local plumbing and building codes and Section 306 of these Greenbook standards.

## 318-2 Payment.

Domestic water supply piping to drinking fountain shall be measured by the linear foot. Payment for domestic water supply piping shall be included in the lump sum project cost and shall include full compensation for furnishing all labor, materials, tools, equipment, water system retrofit, and incidentals, and for doing all the work involved in providing the Domestic water supply piping, complete in place, as shown on the Plans and as specified in these Special Provisions.

## 318-3 Sub-Surface Drainage Systems.

Play area sub-surface drainage systems shall consist of trench drains, model as required to provide adequate drainage of play areas, drain inlets, drain lines and connections to existing drainage systems for positive drainage and head wall outlet. Sub-surface drainage systems piping shall be installed as indicated on the drawings, and in coordination with the play area structures as determined by the Contractor, and in conformance with state and local plumbing and building codes and Section 306 of these Greenbook standards.

## 318-3.1 Measurement and Payment.

Sub-surface drainage systems shall be measured for payment by the linear foot. Payment for sub-surface drainage systems piping shall be included in the lump sum project cost and shall include full compensation for furnishing all labor, materials, tools, equipment, existing drainage system retrofit, and incidentals, and for doing all the work involved in providing the sub-surface drainage systems, complete in place, as shown on the Plans and as specified in these Special Provisions.

**END OF SPECIAL PROVISIONS (SP)** 

## APPENDIX A

## **Notice of Exemption**

## NOTICE OF EXEMPTION

TO: X RECORDER/COUNTY CLERK P.O. BOX 1750, MS A-33 1600 PACIFIC HWY, ROOM 260 SAN DIEGO, CA 92101-2422  OFFICE OF PLANNING AND RESEARCH 1400 TENTH STREET, ROOM 121 SACRAMENTO, CA 95814	FROM:	CITY OF SAN DIEGO DEVELOPMENT SERVICES DEPARTMENT 1222 FIRST AVENUE, MS 501 SAN DIEGO, CA 92101
PROJECT NO.: WBS# S-11030 PROJECT TITLE: GOMPERS	NEIGHBORHOOD PARK	
PROJECT LOCATION-SPECIFIC: 4926 Hilltop Drive, San Di	ego, CA, 92102	
PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego	)	
DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF 24 upgrades and improvements to the children's play area the state and federal safety and accessibility guidelines. Travel, including to the comfort station; Phase II would in the replacement of the drinking fountain. The project site Area. Applicant: Park and Recreation Department. APN	a, path of travel and comfort stat The project would be phased: Phaclude improvements to the child to is located at 4926 Hilltop Drive	ase I would include ADA Title 24 upgrades to the path of ren's play area. Additional improvements would include
NAME OF PUBLIC AGENCY APPROVING PROJECT: City of S	San Diego, Public Works – E&C	P Department
	600 B Street, Suite 800, MS 908 San Diego, CA 92101- 4502 (619) 533-5414 5269(a));	
REASONS WHY PROJECT IS EXEMPT: The City of San Diego CEQA State Guidelines, Section 15304, "Minor Alteration water, and/or which do not involve removal of healthy, movere identified for the proposed project. Additionally, no	ons to Land" which allows for minature, scenic trees except for for	nor public or private alterations in the condition of land, estry or agricultural purposes. No environmental impacts
LEAD AGENCY CONTACT PERSON: Anna L. McPherson	T	elephone: 619-446-5276
IF FILED BY APPLICANT:  1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION F  2. HAS A NOTICE OF EXEMPTION BEEN FILED BY TH  ( ) YES ( ) NO		E PROJECT?
IT IS HEREBY CERTIFIED THAT THE CITY OF SAN DIEGO HAS	DETERMINED THE ABOVE ACTIVIT	Y TO BE EXEMPT FROM CEQA
Church. Myherson	ALOP Senior Pla	MNETJUNE 6, 2012
SIGNATURE/ITTLE		DATE
CHECK ONE: (X) SIGNED BY LEAD AGENCY ( ) SIGNED BY APPLICANT	DATE RECEIVED FOR	FILING WITH COUNTY CLERK OR OPR:

ATTACHMENTS:

## APPENDIX B

**Sample City Invoice** 

City of San Diego, Field Engineering Div Project Name: SAP No. (WBS/IO/CC) City Purchase Order No. Resident Engineer (RE): RE Phone#: Item # Item Description  1 2 Parallel 4" PVC C900 2 48" Primary Steel Casing 3 2 Parallel 12" Secondary Steel	RE Fax#:					or's Addre	ss:				
SAP No. (WBS/IO/CC) City Purchase Order No. Resident Engineer (RE): RE Phone#: Item # Item Description  1 2 Parallel 4" PVC C900 2 48" Primary Steel Casing					Contracto						
City Purchase Order No.  Resident Engineer (RE):  RE Phone#:  Item # Item Description  1 2 Parallel 4" PVC C900 2 48" Primary Steel Casing					Contracto						
Resident Engineer (RE):  RE Phone#:  Item # Item Description  1 2 Parallel 4" PVC C900 2 48" Primary Steel Casing						or's Phone	#:	Contractor's Phone #: Invoice No.			
RE Phone#:  Item # Item Description  1 2 Parallel 4" PVC C900 2 48" Primary Steel Casing											
Item # Item Description  1 2 Parallel 4" PVC C900 2 48" Primary Steel Casing											
1 2 Parallel 4" PVC C900 2 48" Primary Steel Casing	T I *4	Contro	ct Authorizati	on	Contact Name: Billing F Previous Estimate This Estimate			Totals to Date			
2 48" Primary Steel Casing		Qty	Price	Extension	%/QTY		% / QTY		% / QTY	Amount	
2 48" Primary Steel Casing	LF	1,380	\$34.00	\$46.920.00	/0/Q11	Amount	70 / Q11	Amount	707 Q11	Amount	
	LF	500	\$1,000.00	\$500,000.00						1	
	LF	1,120	\$53.00	\$59,360.00							
		, -	,	400,00000							
4 Construction and Rehab of PS 49	LS	1	\$150,000.00	\$150,000.00							
5 Demo	LS	1	\$14,000.00	\$14,000.00							
6 Install 6' High Chain Link Fence	LS	1	\$5,600.00	\$5,600.00							
7 General Site Restoration	LS	1	\$3,700.00	\$3,700.00							
8 10" Gravity Sewer	LF	10	\$292.00	\$2,920.00							
9 4" Blow Off Valves	EA	2	\$9,800.00	\$19,600.00							
10 Bonds	LS	1	\$16,000.00	\$16,000.00							
11 Field Orders	AL	1	80,000	\$80,000.00							
11.1 Field Order 1	LS	5,500	\$1.00	\$5,500.00							
11.2 Field Order 2	LS	7,500	\$1.00	\$7,500.00							
11.3 Field Order 3	LS	10,000	\$1.00	\$10,000.00							
11.4 Field Order 4	LS	6,500	\$1.00	\$6,500.00						1	
12 Certified Payroll	LS	1	\$1,400.00	\$1,400.00							
CHANGE ORDERS	Lo	•	\$1,100.00	ψ1,400.00							
Change Order 1	4,890										
Items 1-4	4,070			\$11,250.00							
Item 5-Deduct Bid Item 3	LF	120	-\$53.00	(\$6,360.00)						1	
Change Order 2	160,480	120	452.00	(\$0,0000)							
Items 1-3	100,100			\$95,000.00							
Item 4 Deduct Bid Item 1	LF	380	-\$340.00	(\$12,920.00)							
Item 5-Encrease bid Item 9	LF	8	\$9,800.00								
Change Order 3 (Close Out)	-121,500			,							
Item 1 Deduct Bid Item 3		53	-500.00								
Item 2 Deduct Bid Item 4	LS	-1	45,000.00	(\$45,000.00)							
Items 3-9		1	-50,500.00	(\$50,500.00)							
CHAMADA							Total	0	T ( 1 D T)	<b>***</b>	
SUMMARY							This	\$ -	Total Billed	\$0.00	
A. Original Contract Amount Retention and/or Escrow Payment Schedu		dule									
B. Approved Change Order 1 Thru 3					Total Retention Required as of this billing						
C. Total Authorized Amount (A+B)	<u> </u>				Previous Retention Withheld in PO or in Escrow						
D. Total Billed to Date					Add'l Amt to Withhold in PO/Transfer in Escrow:		:				
E. Less Total Retention (5% of D)					Amt to Release to Contractor from PO/Escrow:						
F. Less Total Previous Payments											
G. Payment Due Less Retention					Contracto	or Signatu	re and Dat	te:			
H. Remaining Authorized Amount											

## APPENDIX C

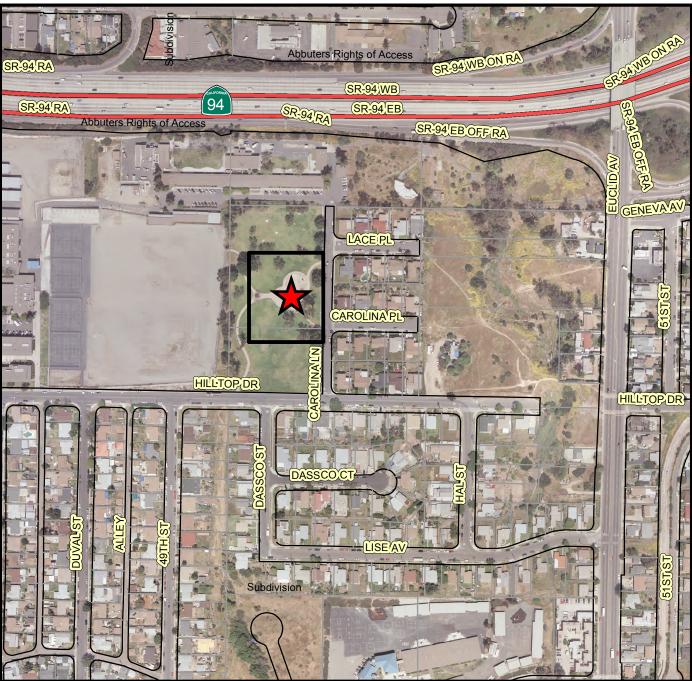
**Location Map** 



## **LOCATION MAP**

## Gompers Neighborhood Park-Play Area Upgrade





## Legend



Gompers Neighborhood Park - Play Area Upgrade

S.\PITS\PITS-CIP-Preliminary-Engineering-and-Program-Coordination\Drafting\Park & Rec Projects\Gompers Neighborhood Park - Play Area Upgrade\CIP Tracking\Location Maps





## City of San Diego

## **ADDENDUM "A"**

## **FOR**



# GOMPERS NEIGHBORHOOD PARK – CHILDREN'S PLAY AREA UPGRADES

BID NO.:	K-13-5775-DBB-3
SAP NO. (WBS/IO/CC):	S-11030
CLIENT DEPARTMENT:	1714
COUNCIL DISTRICT:	4
PROJECT TYPE:	GE
CDBG NO.:	B-12-MC-06-0542

ENGINEER OF WORK The engineering Specifications and Special Provis direction of the following Registered Engineer:	ons contained herein	have been prepared by or under the
1) City Engineer I	Seal: 10/15/12	No. C 54052  Exp. 12/31/13  #*  C/VIL  OF CALIFORNIA

For which proposals will be received at the Public Works Contracting Group, 1200 Third Avenue, Suite 200, San Diego, California, until **2:00 PM on OCTOBER 31, 2012**.

## A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

## **B. VOLUME** 1

1. To Supplemental Special Provisions, page 45, Section 2-7 SUBSURFACE DATA, DELETE in its entirety and SUBSTITUTE with the following:

## **2-7 SUBSURFACE DATA.** ADD the following:

In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests of subsurface conditions at the Work Site:

1. Report of Soil Hydraulic Conductivity Testing dated May 9, 2012 by GEOCON, INC.

The report listed above is available for review by contacting the City Contact.

## C. PLANS

- 1. To Drawing number **36925-8-D**, Detail A, Play Area Resilient Rubber Surfacing, note 1, **DELETE** in its entirety and **REPLACE** with the following:
  - Grading shall generally slope away from concrete/rubber surfacing joint, however refer to grading plan for specific grades and slopes.

Tony Heinrichs, Director Public Works Department

Dated: *October 15, 2012* 

San Diego, California

TH/DS/NB/egz

## City of San Diego

## **ADDENDUM "B"**

## **FOR**



# GOMPERS NEIGHBORHOOD PARK – CHILDREN'S PLAY AREA UPGRADES

BID NO.:	K-13-5775-DBB-3
SAP NO. (WBS/IO/CC).:	S-11030
CLIENT DEPARTMENT:	1714
COUNCIL DISTRICT:	4
PROJECT TYPE:	GE
CDBG NO.:	B-12-MC-06-0542

For which proposals will be received at the Public Works Contracting Group, 1200 Third Avenue, Suite 200, San Diego, California, until **2:00 PM on OCTOBER 31, 2012**.

## A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

## B. VOLUME 1

- 1. To Funding Agency Provisions, page 31, item 8 Wage Rates, DELETE in its entirety and SUBSTITUTE with the following:
  - **8. WAGE RATES**. This contract shall be subject to the following Davis-Bacon Wage Decision:
    - [Wage Determination Number] CA 120001 10/19/2012 CA1
    - [Modification Number] 10
    - [Publication Date] 10/19/2012

The required wage information may be accessed and downloaded from: http://www.wdol.gov/

Tony Heinrichs, Director Public Works Department

Dated: *October 19*, 2012

San Diego, California

TH/DS/NB/egz

# City of San Diego

TRI-GROUP CONSTRUCTION
AND DEVELOPMENT, INC

11315 RANCHO BERNARDO RD. STE #145
SAN DIEGO, CA 92127

CONTRACTOR'S NA	AME:			·
ADDRESS:>				
TELEPHONE NO.:_	858-675-0058	FAX NO.:_	828.622-1	594
CITY CONTACT: CLE	MENTINA GIORDANO, Email:	cgiordano@s	andiego.gov, Ph: 619-2	35-5227; Fax: 619-236-5904
$\overline{\mathrm{D.V}}$	VanMartin/NB/egz			



## CONTRACT DOCUMENTS

## **FOR**

## GOMPERS NEIGHBORHOOD PARK - CHILDREN'S PLAY AREA UPGRADES

VOLUME 2 OF 2

BID NO.:	K-13-5775-DBB-3
SAP NO. (WBS/IO/CC):	S-11030
CLIENT DEPARTMENT:	1714
COUNCIL DISTRICT:	4
PROJECT TYPE:	GE
CDBG NO.:	B-12-MC-06-0542

## THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

- > FEDERAL EQUAL OPPORTUNITY CONTRACTING REQUIREMENTS
- > PREVAILING WAGE RATES: FEDERAL
- APPRENTICE REQUIREMENTS
- > THIS IS A CDBG-FUNDED CONTRACT THROUGH THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)

THIS BIDDING DOCUMENT TO BE SUBMITTED IN ITS ENTIRETY REFER TO VOLUME I COVER PAGE FOR TIME, DATE, AND LOCATION

## TABLE OF CONTENTS

## **Volume 2 - Bidding Documents**

The following forms must be completed in their entirety and submitted with the Bid. Include the form(s) even if the information does not apply. Where the information does not apply write in N/A. Failure to include any of the forms may cause the Bid to be deemed **non-responsive**. If you are uncertain or have any questions about any required information, contact the City no later than 14 days prior to Bid due date.

1.	Bid/Proposal	3-6
2.	Bid Bond	7
3.	Non-Collusion Affidavit to be executed by Bidder and Submitted with Bid under 23 USC 112 and PCC 7106	
4.	Contractors Certification of Pending Actions	9
5.	Equal Benefits Ordinance Certification of Compliance	10
6.	Lobby Prohibition, Certification and Disclosure	11
7.	Instructions for Completion of SF-LLL, Disclosure of Lobbying Activities	12
8.	Disclosure of Lobbying Activities	3-14
9.	Proposal (Bid)	.5-16
10.	Form AA35 List of Subcontractors.	17
11.	Form AA40 Named Equipment/Material Supplier List	18

## **PROPOSAL**

### **Bidder's General Information**

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded. conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, of divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

IF A SOLE OWNER OR SOLE CONTRACTO	OR SIGN HERE: (N/a)
(1) Name under which business is conducted_	
(2) Signature (Given and surname) of propriet	or
(3) Place of Business (Street & Number)	
(4) City and State	Zip Code
(5) Telephone No.	Facsimile No.
IF A PARTNERSHIP, SIGN HERE:	$\left( A/A\right)$
(1) Name under which business is conducted _	

(2)	Name of each member of partnership, indicate of (limited):	character of each partner, general or special
(3)	Signature (Note: Signature must be made by a ge	eneral partner)
	Full Name and Character of partner	
(4)	Place of Business (Street & Number)	
(5)	City and State	Zip Code
(6)	Telephone No.	Facsimile No.
FAC	ORPORATION, SIGN HERE:	TRI-GROUP CONSTRUCTION
	Name under which business is conducted	AND DEVELOPMENT, INC.
(2)	Signature, with official title of officer authorized	to sign for the corporation:
	(Signature) HANI ASSI	· ·
	(Printed Name) SECRETARY OF CORPO	PRATION
	(Title of Officer)	(Impress Corporate Seal Here)
(3)	Incorporated under the laws of the State of	BLIFAMIA
	Place of Business (Street & Number) 11315	
(5)	City and State Seal DIEGO	Zip Code 92127
(6)	City and State <u>S=~1 D1=6=</u> Telephone No. <u>858-675-0-58</u>	Facsimile No. 858-675-1594

BIDDING DOCUMENTS

## THE FOLLOWING SECTIONS MUST BE FILLED IN BY ALL PROPOSERS:

In accordance with the "NOTICE II				
Contractor's license for the following	classification(s) to p	erform the w	ork described in	these
specifications:	1 N 11	==	1011	
LICENSE CLASSIFICATION		9	5	
LICENSE NO. 792159	EXPIRES	03.	-31-2013	3
This license classification must also be license classification on the bid envelope			_	show
TAX IDENTIFICATION NUMBER (TIN	1): <u> </u>	092	20975	
E-Mail Address:	oup Cons	to a	o/·com	
	· ·			

## THIS PROPOSAL MUST BE NOTARIZED BELOW:

I certify, under penalty of perjury, that the representations made herein regarding my State Contractor's license number, classification and expiration date are true and correct.

HANI DSSI Signature SUBSCRIBED AND SWORN TO BEFORE ME, THIS \_\_\_\_\_\_ DAY OF \_\_\_\_. Notary Public in and for the County of \_\_\_\_\_\_, State of

(NOTARIAL SEAL)

State of California

Subscribed and sworn to (or affirmed) before me on this 31 day of

Oct. 2012 by Hani ASSI

proved to me on the basis of satisfactory evicence to be the person (4) who

Signoture of Notary Public

## BID BOND

KNOW ALL MEN BY THESE PRESENTS,					
That TRI-GROUP CONSTRUCTION AND DEVE	LOPMENT, INC. as Principal, and				
NORTH AMERICAN SPECIALTY INSURANCE COMPANY  as Surety, are held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of 10% OF TME TOTAL BID AMOUNT for the payment of which sum, well and truly to be made, we bind curselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.					
WHEREAS, said Principal has submitted a Bid under the bidding schedule(s) of the OWNER's Co	to said OWNER to perform the WORK required ontract Documents entitled				
GOMPERS NEIGHBORHOOD PARK - CHILDREN	'S PLAY AREA UPGRADES, BID NO. K-13-5775-DBB-3				
and in the manner required in the "Notice Inviting of agreement bound with said Contract Document and furnishes the required Performance Bond and and void, otherwise it shall remain in full force and	d a contract by said OWNER and, within the time g Bids' enters into a written Agreement on the form ats, furnishes the required certificates of insurance, d Payment Bond, then this obligation shall be null deffect. In the event suit is brought upon this bond say shall pay all costs incurred by said OWNER in the fixed by the court.				
SIGNED AND SEALED, this30TH	day of OCTOBER , 20 12				
TRI-GROUP CONSTRUCTION AND DEVELOPMENT, INC. (SEAL) (Principal)	NORTH AMERICAN SPECIALTY INSURANCE COMPANY (SEAL) (Surety)				
By: (Signature)	By: Marl O. Latarda (Signature)				
HANI ASSI, SECRETARY	MARK D. IATAROLA, ATTORNEY-IN-FACT				
(Principal)  By; (Signature)	(Surety)  By: Man D. Fatarolo  (Signature)  MARK D. IATAROLA, ATTORNEY-IN-FACT				

## CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

STATE OF CALIFORNIA	
	}
County of SAN DIEGO	
On10/30/2012 before me,	MICHELLE M. BASUIL, NOTARY PUBLIC  Here Insert Name and Title of the Officer ,
personally appeared	MARK D. IATAROLA  Name(s) of Signer(s)
	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
MICHELLE M. BASUIL COMM. #1862575 NOTARY PUBLIC-CALIFORNIA SAN DIEGO COUNTY	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
My Comm. Exp. AUG 24, 2013	Witness my hand and official seal.
Place Notary Seal Above	Signature <u>mickellim</u> Basuil Signature of Notary Public
·	
	TIONAL ————————————————————————————————————
Title or Type of Document: BID BOND	
Document Date: <u>10/30/2012</u>	Number of Pages:_1
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer(s)	
Signer's Name: MARK D. IATAROLA  ☐ Individual ☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General ☑ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other:  Signer Is Representing:	Signer's Name:  Individual  Corporate Officer — Title(s):  Partner — Limited General  Attorney in Fact Trustee Guardian or Conservator Other: Signer Is Representing:

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## NAS SURETY GROUP

## NORTH AMERICAN SPECIALTY INSURANCE COMPANY WASHINGTON INTERNATIONAL INSURANCE COMPANY

## GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Manchester, New Hampshire, and Washington International
Insurance Company, a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Schaumburg, Illinois, each does hereby make, constitute and appoint:
JOHN G. MALONEY, HELEN MALONEY,
MARK D. IATAROLA and DEBORAH D. DAVIS
JOINTLY OR SEVERALLY
Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:  FIFTY MILLION (\$50,000,000.00) DOLLARS
This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on the 9 <sup>th</sup> of May, 2012:
"RESOLVED, that any two of the Presidents, any Managing Director, any Senior Vice President, any Vice President, any Assistant Vice President the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney name in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is
FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."
By  SEAL  Seal  Seal  Seal  Steven P. Anderson, Senior Vice President of Washington International Insurance Company  & Senior Vice President of North American Specialty Insurance Company  By  David M. Layman, Vice President of Washington International Insurance Company  & Vice President of North American Specialty Insurance Company
IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 26th day of
North American Specialty Insurance Company Washington International Insurance Company
State of Illinois County of Cook ss:
On this 26th day of, 20 12_, before me, a Notary Public personally appearedSteven P. Anderson, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and David M. Layman , Vice President of Washington International Insurance Company and Vice President of North American Specialty Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.  **OFFICIAL SEAL*** DONNAD, SKLENS**
Notary Public, State of Illinois My Commission Expires 10/06/2015  Donna D. Sklens, Notary Public
I, <u>Jeffrey Goldberg</u> , the duly elected <u>Assistant Secretary</u> of North American Specialty Insurance Company and Washington International Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company and Washington International Insurance Company, which is still in full force and effect.
IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 30th day of OCTOBER, 20 12.

Jeffrey Goldberg, Vice President & Assistant Secretary of Washington International Insurance Company & North American Specialty Insurance Company

## NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID UNDER 23 UNITED STATES CODE 112 AND **PUBLIC CONTRACT CODE 7106**

	State of California	)			
	County of Spr	-1 DIEGO	SS.		
	County of	HANI A	SSI		
			······································	_, being first duly sworn	, deposes and
	says that he or she is _			_ of the party making	the foregoing
	bid that the bid is not	SECRETARY OF Commander in the interest	of, or on behalf of,	any undisclosed person	, partnership,
	company, association,	organization, or corp	oration; that the bid	is genuine and not collu	sive or sham;
	that the bidder has not	t directly or indirectl	y induced or solicited	d any other bidder to pu	t in a false or
		•		, connived, or agreed wi	
	,		· •	from bidding; that the b	•
	•		•	communication, or cor	
	•	•		or to fix any overhead, p	
	•	_	•	cure any advantage agai	•
	•		ŕ	oposed contract; that a	•
	•	•	•	t, directly or indirectly,	
				reof, or divulged inform	
	• •			corporation, partnersh	
	· -	-		• • •	
		on, old depository, o	r to any member or a	agent thereof to effectua	te a conusive
	or sham bid.		10 0	,	
	Managara and a second		/ //	HANI ASS	t
D/ D/	OFFICIAL SEAL ARCIE PEACOCK	Signed:			
PIC C	RY PUBLIC-CALIFORNIA男 OMM, NO. 1847321			SECRETARY OF COF	RPORATION
MYC	AN DIEGO COUNTY OMM, EXP. MAY 26, 2013	Title:	· · · · · · · · · · · · · · · · · · ·		
A COLOR DE LA COMO DE	Studies have been accommon to a first of the form of the first of the				
State of California County of San Diego	01	Subscribed and swo	rn to hefore me this	day of	,20
Subscribed and sworn to (or	affirmed) before me on this 3 (day	of			
	f satisfactory evicence to be the person	s (f) who	Notary F	Public	
appeared before me.	· , Onacc	> \	-,m <b>-,</b> -		
Signature of Notary Public	u fluce		(OT 4.7.)		
C. C	•		(SEAL)		

## CONTRACTORS CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past ten years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

ECK ONE	BOX ONLY.
	The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
	The undersigned certifies that within the past ten years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:
	TRI-GROUP CONSTRUCTION
C	AND DEVELOPMENT, INC.
	d By #ANI ASS Title SECRETARY OF CORPORATION
Certifie	d By HAN ASS Title SECRETARY OF CORPORATION
	Date 10-31-2-12
	Signature

**USE ADDITIONAL FORMS AS NECESSARY** 

## EQUAL BENEFITS ORDINANCE CERTIFICATION OF COMPLIANCE



For additional information, contact:

## CITY OF SAN DIEGO

## EQUAL BENEFITS PROGRAM

202 C Street, MS 9A, San Diego, CA 92101 Phone (619) 533-3948 Fax (619) 533-3220

	COMP	ANY INFORMATIO	ON:		
Company Name:	TRI-GROUP CONSTRUCTIO  AND DEVELOPMENT, INC		Contact Name:	HAN11 858-67	ASS/
Company Addres	s: 11315 RANCHO BERNARDO RD. S		Contact Phone:	858-67	5-0058
	SAN DIEGO, CA 92127		Contact Email:	trigrow	Cunsta do
		ACT INFORMATI			
Contract Title:	GOMPERS NISGH30		or.		07-01-20
Contract Number	The second secon		· DBB->		08-01-2
	SUMMARY OF EQUAL BI	CHARLE WHEN AND AND AND AND AND AND AND AND AND AN	ANY CONTROL OF THE PARTY OF THE	AND DESCRIPTION OF THE PROPERTY OF THE PARTY	
maintain equal be Contractor sl Benefits in travel/relo Any benef Contractor sl enrollment	its Ordinance [EBO] requires the City to denefits as defined in SDMC §22.4302 for the nall offer equal benefits to employees with actude health, dental, vision insurance; penacation expenses; employee assistance program not offer an employee with a spouse, is mall post notice of firm's equal benefits poperiods.  nall allow City access to records, when required.	e duration of the cont spouses and employed sion/401(k) plans; ber ams; credit union men ot required to be offer licy in the workplace	ract. To comply: es with domestic partner eavement, family, paren mbership; or any other b red to an employee with and notify employees a	rs. atal leave; disconcenefit. a domestic part at time of hire a	unts, child care;
	nall submit EBO Certification of Compliance				
NOTE: This sut www.sandiego.go	nmary is provided for convenience. Full v/administration.	l text of the EBO	and Rules Implementi	ng the EBO a	re available at
	CONTRACTOR EQUAL B	ENEFITS ORDINAL	NCE CERTIFICATIO	N	
Please indicate yo	our firm's compliance status with the EBO.	The City may reques	t supporting documentat	tion.	
	I affirm compliance with the EBO because	e my firm (contracto	r must <u>select one</u> reason	n):	
	<ul> <li>□ Provides equal benefits to spouses o</li> <li>□ Has no employees.</li> <li>□ Has collective bargaining agreem expired.</li> </ul>	domestic partners.		as not been rene	ewed or
	I request the City's approval to pay affect made a reasonable effort but is not able to the availability of a cash equivalent for be every reasonable effort to extend all avail	provide equal benefi nefits available to spo	ts upon contract award.  ouses but not domestic p	I agree to notify	employees of
	r any contractor to knowingly submit any ne execution, award, amendment, or admini				
Under penalty of perjury under laws of the State of California, I certify the above information is true and correct. I further certify that my firm understands the requirements of the Equal Benefits Ordinance and will provide and maintain equal benefits for the duration of the contract or pay a cash equivalent if authorized by the City.					
HANI A	551 SEEL of COUR		147///		131/12
N	ame/Title of Signatory		Signature	,	Date
	FOR OFF	CIAL CITY USE O	NI V		
<b>经现代的现代的 医电影性人名</b>			THE PERSON OF TH	en e	THE REPORT OF THE PARTY OF THE

Receipt Date:

EBO Analyst:

□ Approved

□ Not Approved – Reason:

(Rev 02/15/2011)

## LOBBY PROHIBITION, CERTIFICATION AND DISCLOSURE

In acknowledgment that funds received under this agreement have been provided pursuant to a Federal grant, recipient hereby recognizes the prohibitions against lobbying the Federal government with any of these funds. Recipient agrees that it shall comply with the laws set forth at 31 U.S.C. § 1352 (1989) and 24 C.F.R. part 87, to wit:

### A. Conditions on use of funds

Recipient shall not expend any funds received pursuant to this agreement to pay any person to influence an officer or employee of Federal agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with any of the following Covered Federal actions:

- (1) The awarding of any federal contract
- (2) The making of any Federal grant
- (3) The making of any Federal Loan
- (4) The entering into of any cooperative agreement
- (5) The extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

For purposes of defining the terms of this part of the agreement, the definitions set forth in 24 C.F.R. § 87.105 are hereby adopted and incorporated herein by reference.

## B. <u>Certification and Disclosure</u>

Each recipient at every tier under this agreement shall file a certification regarding lobbying, and a Disclosure Form-LLL, where required by 24 C.F.R. § 87.110. The certification form and Disclosure Form-LLL are attached to this agreement.

## C. <u>Certifications must be filed:</u>

- (1) By any person upon each submission that initiates agency consideration for an award of a Federal contract, grant, or cooperative agreement exceeding \$100,000, or a Federal loan or loan guarantee exceeding \$150,000.
- Upon receipt by any person of a Federal contract, grant, or cooperative agreement exceeding \$100,000, or upon receipt of a Federal loan or loan guarantee exceeding \$150,000.
- By any person who requests or receives from a person referred to in subsections 1 and 2 of this paragraph:
  - a. A subcontract exceeding \$100,000 at any tier under a Federal contract;
  - b. A subgrant, contract or subcontract exceeding \$100,000 at any tier under a Federal grant;
  - c. A contract or subcontract exceeding \$100,000 at any tier under a Federal loan exceeding \$150,000;
  - d. A contract or subcontract exceeding \$100,000 at any tier under a Federal cooperative agreement.
- D. <u>Disclosure Forms-LLL</u> must be filed in every instance when a person applies for, requests, or receives Federal appropriations exceeding \$100,000 pursuant to a contract, subcontract, grant, subgrant, loan, or cooperative agreement when such person has paid or expects to pay any sum, in cash or in kind, to influence or attempt to influence any officer or employee of an agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress. Further, Disclosure Form-LLL must be filed by recipients at any tier at the end of each calendar quarter in which there occurs any event that requires disclosure or materially affects information submitted in prior disclosures. Such events include:
  - (1) 1. An increase of \$25,000 in the amount paid or expected to be paid for influencing or attempting to influence a covered Federal action;
  - (2) 2. A change in the person(s) influencing or attempting to influence a covered action;
  - (3) 3. A change in the officer(s), employee(s), or member(s) contacted to influence a covered action.

All disclosure Forms-LLL, but not certifications, shall be forwarded from tier to tier until received by the principal recipient, which in turn will file them with the appropriate Federal agency.

## INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Use the SF-LLLA Continuation Sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

- 1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
- 2. Identify the status of the covered Federal action.
- 3. Identify the appropriate classification of this report. If this is a follow up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
- 4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
- 5. If the organization filing there port in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
- Enter the name of the Federal agency making the award or loan commitment. Include at least one
  organizational level below agency name, if known. For example, Department of Transportation, United
  States Coast Guard.
- Enter the Federal program name or description for the covered Federal action (item1). If known, enter the
  full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and
  loan commitments.
- 8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
- 9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
- 10. (a) Enter the full name, address, city, State and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influence the covered Federal action.
  - (b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
- 11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item4) to the lobbying entity (item10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
- 12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
- 13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.
- 14. Provide a specific and detailed description of the services that the lobbyist has performed, or will be expected to perform, and the date(s) of any services rendered. Include all preparatory and related activity, not just time spent in actual contact with Federal officials. Identify the Federal official(s) or employee(s) contacted or the officer(s), employee(s), or Member(s) of Congress that were contacted.
- 15. Check whether or not a SF-LLLA Continuation Sheet(s) is attached.
- 16. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing datasources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.

**DISCLOSURE OF LOBBYING ACTIVITIES**Approved by OMB Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

0348-0046

(See reverse for public burden disclosure)

1.7	Type of Federal Action:	2. Status of Fed	eral Action:	3. Report Type:
	a. Contract	a. bid/offer/aj	plication —	a. initial finding
	a. Grant	b. initial award		b. material change
	b. Cooperative agreement	c. post-award		For Material Change Only
	c. Loan			year quarter
	d. Loan guarantee			date of last report
	e.Loan insurance			
4.	Name and Address of Reporting F	Entity:		Entity in No. 4 is a Subawardee, Enter Name
	☑ Prime ☐ Subawarde	e	and Address of l	Prime:
	TRI-GROUP Tier	, if known:		
	CONSTRUCTION AND 1/2	R.B. 20 +145	ŀ	
	TATA	DIEAD		
C	ongressional District, if known:	CA 92127	Congressiona	l District, if known:
	, , , , , , , , , , , , , , , , , , , ,	(012)	Congressiona	i District, y inform.
6. 1	Federal Department/Agency:		7. Federal Proc	gram Name/Description:
			"	
り	EPT OF HOUSING	of unus ar		DBG
D	EPT OF HOUSING	uD)	CDBG	NU. : B-12-MC-06-
		ŕ	CEDA Number	if applicable:
			L	
8. I	Federal Action Number, if known	ı:	9. Award Amo	unt, if known:
			\$	
10.	a. Name and Address of Lobbyi	ng Entity	h. Individuals Pe	erforming Services (including address if different
10.	(if individual, last name, first n	name. M)	from No. 10a)	Tioi ming oct vices (meadaing address it different
		(last name, first name, MI):		
	MONE		1	None
			·	<b>/</b> 4 0. 0
		(attach Continuation Sho		
11.	Amount of Payment (check all tha			yment (check all that apply)
	\$ □ actual	□ planned	a. retainer	
			☐ b. one-time lee ☐ c. commission	
12	Form of Payment (check all that a	maler)	d. contingent fe	e
14.	Form of rayment (check an that a)	ppiy)	☐ e. deferral	
Пг	a, cash		☐ f. other: specify	·
	o. in-kind: specify: nature	· .	•	
	Value			
			,	
14.	Brief Description of Services Pe	rformed or to be Po	erformed and Da	te(s) of Service, Including officer(s),
	employee(s), or Member(s), con	tacted, for Paymen	t indicated in iter	n II:
		(attach Continuation She	et(s) SF-LLLA, if nece	ssary)
15.	Continuation Sheet(s) SF-LLLA	attached:	Yes No	. 1
16.	Information requested through this for misauthoriz	red by title 31 U.S.C. section	Signature:	40 s/2//
100	1352. This disclosure of lobbying activities is a n	-	Print Name:	TANI ASSI
	upon which reliance was placed by the tier above w			L. & COLO
	or entered into. This disclosure is required pursu- information will be reported to the Congress semi-a		Title: 55	
	for public inspection. Any person who fails to file the		Telephone No.:	1(8-675-0) Date: 10-31-12
	subject to a civil penalty of not less that \$10,000 an	-		3 &
	each such failure.			
400				Authorized for Local Reproduction Standard
red	leral Use Only:			Form LLL (Rev. 7-07)

## **BIDDING DOCUMENTS**

## DISCLOSURE OF LOBBYING ACTIVITIES CONTINUATION SHEET

Approved by OMB0348-0046

Reporting Entity:	TRI-GROUP  CONSTRUCTION AND	Page 2 of 2		
	DEVELOPMENT, INC.			
	·	•		
		•		
		·		
•				
	•			
	•			
	•			
		••		

Authorized for Local Reproduction Standard Form - LLL-A

## PROPOSAL (BID)

The Bidder agrees to the construction of **GOMPERS NEIGHBORHOOD PARK - CHILDREN'S PLAY AREA UPGRADES**, for the City of San Diego, in accordance with these contract documents for the prices listed below. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening to Award of the Contract. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent e.g., bond and insurance.

Item	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
1.	1	LS	237990	9-3.4.1	Mobilization		\$50,000
2.	1	LS	237990	9-3.1	Demolition		\$ 50,000
3.	1	LS	237990	9-3.1	Construction of children's play area, comfort station facility upgrades, and site improvements		\$498,000
4.	1	LS	237990	700-13.8.4	Water Pollution Control Plan and installation		\$ 5,000
5.	1	LS	237990	2-4.1	Bond Payments (Payment and Performance)		\$7,000
6.	1	AL	237990	9-3.5	Field Orders-Type II Allowance		\$40,000.00
					ESTIMATED TOTAL BASE BID	\$650	000.00

	SECRETARY OF CORPOR	ATION		
PRESIDENT	AFABETADY OF COURCE	A TICK!		
Gus ASSI PRESIDENT	HANI ASSI			
The names of all persons interested in the foregoing proposal as principals are as follows:				
addenda has been issued by the City and not no	oted as being received by the Bidder, th	hich shall be filled in on the Bid form. If an addenduris proposal shall be rejected as being non-responsive.	The	
DOLLARS AND ZENO C	ENTS			
TOTAL BID PRICE FOR BID (Items 1 through	6 inclusive) amount written in words:	SIX HUNDRED FIFTY THOUSANS	<u></u>	

of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full.

TRI-GROUP

CONSTRUCTION AND
DEVELOPMENT. INC.

SECRETARY OF CORPORATION

Business Address: 113.5 Paramonal Regions For 145 Sand Diego Ca 92/27

Place of Business: Cary & Sand Diego Ca 92/27

SAN

DIE 65

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, state secretary, treasurer, and manager thereof; if a co-partnership, state true name

Place of Residence:

Signature: NOTES:

- A. The City shall determine the low Bid based on the Base Bid alone.
- B. Prices and notations shall be in ink or typewritten. All corrections (which have been initiated by the Bidder using erasures, strike out, line out, or "white-out") shall be typed or written in with ink adjacent thereto, and shall be initialed in ink by the person signing the bid proposal.
- C. Failure to initial all corrections made in the bidding documents shall cause the Bid to be rejected as **non-responsive** and ineligible for further consideration.
- D. Blank spaces must be filled in, using figures. Bidder's failure to submit a price for any Bid item that requires the Bidder to submit a price shall render the Bid **non-responsive** and shall be cause for its rejection.
- E. Unit prices shall be entered for all unit price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceed two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.
- F. All extensions of the unit prices bid will be subject to verification by the City. In the case of inconsistency or conflict between the product of the Quantity x Unit Price and the Extension, the product shall govern.
- G. In the case of inconsistency or conflict, between the sums of the Extensions with the estimated total Bid, the sum of the Extensions shall govern.
- H. Bids shall not contain any recapitulation of the Work. Conditional Bids will be rejected as being **non-responsive**. Alternative proposals will not be considered unless called for.

### LIST OF SUBCONTRACTORS

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also list below the portion of the work which will be done by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement shall result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB®	WHERE CERTIFIED②	CHECK IF JOINT VENTURE PARTNERSHIP
Name: TOT LOT PROS  Address: 9521 B WSINESS CTR DR #1  City: P(HO CUCAMONICO State: CA  Zip: 91725 Phone: 909-477-3333	451,	PL AY GROUND EXPLUSION INSTABLATION	\$27,500	_		
Name: 120457736 DISTRIBUTORY Address: 9460 144 STREET City: 57726 225 State: CA Zip: 91977 Phone: 619-697-5839	CONSTRUCTOR	INSI ALI	. ,	MBE, DBE,	CA	
Name: TOT TUPF  Address: 4401 E. 3 ASELWE RO # 10  City: PHOENIX State: AZ  Zip: 5002 Phone: 800-858-0519	( o NISTANO AL	RESILIENT SURFACIO	\$76,176.40	<u> </u>		

① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, Bidder shall indicate if Subcontractor is certified by:

is appropriate, Didder shall mededic it succentration is e	citined by.		
City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification (except for OBE, SLBE and ELBE).

Form Title:

LIST OF SUBCONTRACTORS

Form Number: AA35

Gompers Neighborhood Park - Children's Play Area Upgrades

1 0 = 2

(Rev. July 2012)

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### LIST OF SUBCONTRACTORS

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also list below the portion of the work which will be done by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement shall result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB®	WHERE CERTIFIED®	CHECK IF JOINT VENTURE PARTNERSHIP
Zip. 74 8 8 2 1 11011c. 310 - 373 - 112 1	DES, 6 ptin	i	\$525	MBE, WBE DBE, SDB	CA	
Name: BAKSL'S CONSUSE CUMBG Address: P. O. BOX 848 City: Sal Mockos State: GA Zip: 92079 Phone: 760-744-1679	CONSTRUCTOR	CONCRETE WALL CUITING	\$1,000	WB∈ DB=	CA	
Name: Address: City: State: Zip: Phone:						

① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, Bidder shall indicate if Subcontractor is certified by:

Tr-F	•		
City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification (except for OBE, SLBE and ELBE).

Form Title:

LIST OF SUBCONTRACTORS

Form Number: AA35

Gompers Neighborhood Park - Children's Play Area Upgrades

2 0 = 2

(Rev. July 2012)

### NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

The Bidder seeking the recognition of equipment, materials, or supplies obtained from Suppliers towards achieving any mandatory, voluntary, or both subcontracting participation percentages shall list the Supplier(s) on the Named Equipment/Material Supplier List. The Named Equipment/Material Supplier List, at a minimum, shall have the name, locations (City) and the **DOLLAR VALUE** of the Suppliers. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for such materials and supplies unless vendor manufactures or substantially alters materials and supplies in which case 100% will be credited. The Bidder is to indicate (Yes/No) whether listed firm is a supplier or manufacturer. In calculating the subcontractor participation percentages, vendors/suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE** for purposes of calculating the subcontractor participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB®	WHERE CERTIFIED@
Name: LOGANS MORKETING Address: 171 BRUDDWAY ANS #270 City: Gond D. EGO State: EA Zip: 97107 Phone: 6R -233-3766	MOTERAL	#29,000	Yes	HO NO	MB= DB=, SDB,	CA CPuc Xa.
Name:						
Name:           Address:           City:         State:           Zip:         Phone:						

① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification (except for OBE, SLBE and ELBE).

Form Title:

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

(Rev. July 2012)

Form Number: AA40

Gompers Neighborhood Park - Children's Play Area Upgrades

# City of San Diego

# **ADDENDUM "A"**

# **FOR**



# GOMPERS NEIGHBORHOOD PARK – CHILDREN'S PLAY AREA UPGRADES

BID NO.:	K-13-5775-DBB-3	
SAP NO. (WBS/IO/CC):	S-11030	
CLIENT DEPARTMENT:	1714	
COUNCIL DISTRICT:	44	
PROJECT TYPE:	GE	
CDBG NO.:	B-12-MC-06-0542	

ENGINEER OF WORK		
The engineering Specifications and Special Pro	visions contained h	erein have been prepared by or under the
direction of the following Registered Engineer:		
		OROFESS/ON
		(A)
	•	12 10 mm/8/12
		No. C 54052
	Seal:	Exp. 12/31/13
× · ·	in terto	a land
Mul	10/15/17	
1) City Engineer	Date	OF CALIFO

For which proposals will be received at the Public Works Contracting Group, 1200 Third Avenue, Suite 200, San Diego, California, until 2:00 PM on OCTOBER 31, 2012.

### A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

### B. VOLUME 1

1. To Supplemental Special Provisions, page 45, Section 2-7 SUBSURFACE DATA, DELETE in its entirety and SUBSTITUTE with the following:

### 2-7 SUBSURFACE DATA. ADD the following:

In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests of subsurface conditions at the Work Site:

1. Report of Soil Hydraulic Conductivity Testing dated May 9, 2012 by GEOCON, INC.

The report listed above is available for review by contacting the City Contact.

### C. PLANS

- 1. To Drawing number **36925-8-D**, Detail A, Play Area Resilient Rubber Surfacing, note 1, **DELETE** in its entirety and **REPLACE** with the following:
  - Grading shall generally slope away from concrete/rubber surfacing joint, however refer to grading plan for specific grades and slopes.

Tony Heinrichs, Director Public Works Department

Dated:

October 15, 2012

San Diego, California

TH/DS/NB/egz

# City of San Diego

# **ADDENDUM "B"**

# **FOR**



# GOMPERS NEIGHBORHOOD PARK – CHILDREN'S PLAY AREA UPGRADES

BID NO.:	K-13-5775-DBB-3
SAP NO. (WBS/IO/CC).:	S-11030
CLIENT DEPARTMENT:	1714
COUNCIL DISTRICT:	4
PROJECT TYPE:	GE
CDBG NO.:	B-12-MC-06-0542
•	

For which proposals will be received at the Public Works Contracting Group, 1200 Third Avenue, Suite 200, San Diego, California, until 2:00 PM on OCTOBER 31, 2012.

### A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

### B. VOLUME 1

- 1. To Funding Agency Provisions, page 31, item 8 Wage Rates, DELETE in its entirety and SUBSTITUTE with the following:
  - **8. WAGE RATES.** This contract shall be subject to the following Davis-Bacon Wage Decision:
    - [Wage Determination Number] CA 120001 10/19/2012 CA1
    - [Modification Number] 10
    - [Publication Date] 10/19/2012

The required wage information may be accessed and downloaded from: http://www.wdol.gov/

Tony Heinrichs, Director Public Works Department

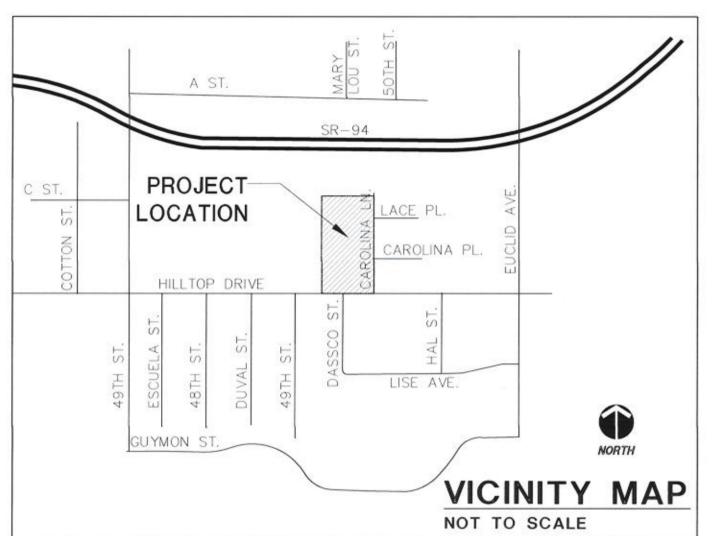
Dated:

October 19, 2012

San Diego, California

TH/DS/NB/egz

# SITE IMPROVEMENT PLANS FOR: GOMPERS NEIGHBORHOOD PARK CHILDREN'S PLAY AREA UPGRADES



# CONSTRUCTION TYPE:

ACCESSIBILITY UPGRADES TO THE CHILDREN'S PLAY AREA, COMFORT STATION AND SITE

# STREET ADDRESS

4926 HILLTOP DRIVE SAN DIEGO, CA 92102

# LEGAL DESCRIPTION:

A PORTION OF LOT 29 OF MAP 283 - EX MISSION LANDS OF SAN DIEGO, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY ON MARCH 9, 1878 OF OFFICIAL RECORDS

# DESCRIPTION OF THE SCOPE OF WORK

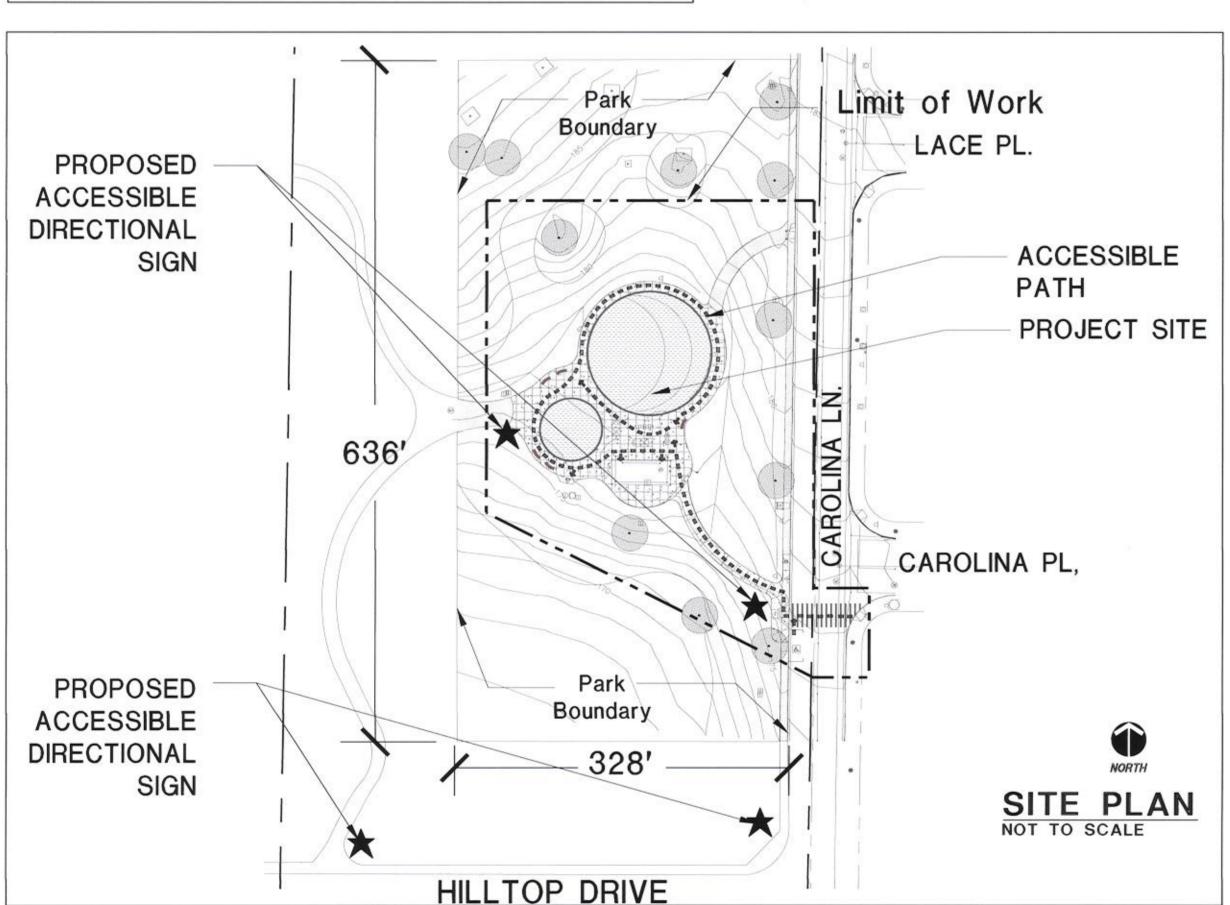
PLANS, NOTES, SPECIFICATIONS AND DETAILS FOR THE CONSTRUCTION OF GOMPERS NEIGHBORHOOD PARK PLAY AREA AND ACCESSIBILITY UPGRADE WORK, INCLUDING DEMOLITION, GRADING, PAVING, PLAY AREA STRUCTURES AND SURFACING, BENCHES, PICNIC TABLES, DRINKING FOUNTAIN, PLANTING, IRRIGATION, UPGRADE EXISTING RESTROOM BUILDING TO MEET WITH CODES, SAFETY LIGHTING ON RESTROOM BUILDING DRAINAGE, AND OTHER PARK AMENITIES AS SHOWN ON PLAN.

# CONTRACTOR'S RESPONSIBILITIES

CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING: SAFETY OF ALL PERSONS AND PROPERTY- THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

# OWNER/APPLICANT

CITY OF SAN DIEGO, PUBLIC WORK, ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, PROJECT MANAGER: DEBBIE VAN MARTIN, (619) 533-5414 600 B STREET, SUITE 800 SAN DIEGO, CA 92101



APPROVAL NO.

WARNING

F THIS BAR DOES

NOT MEASURE 1'

THEN DRAWING IS

NOT TO SCALE.

# PREPARED BY:

# LANDSCAPE ARCHITECT

ESTRADA LAND PLANNING, INC 755 BROADWAY CIRCLE, SUITE 300, SAN DIEGO, CALIFORNIA 92101 PH.: (619) 236-0143, FAX: (619) 236-0578 VESTRADA@ESTRADALANDPLAN.COM ATTN.: VICKI ESTRADA AND KEVIN NGUYEN

ALL LANDSCAPE AND IRRIGATION SHALL CONFORM TO THE CITY OF SAN DIEGO LAND DEVELOPMENT CODE AND ALL OTHER APPLICABLE CITY AND REGIONAL STANDARDS FOR LANDSCAPE INSTALLATION AND MAINTENANCE.

# CIVIL ENGINEER:

NASLAND ENGINEERING 4740 RUFFNER ST. SAN DIEGO, CALIFORNIA 92111 PH.: (858) 292-7770, FAX: (858) 571-3241 CORYS@NASLAND.COM ATTN .: CORY SCHRACK

# WATER FEES

THE CITY OF SAN DIEGO PROJECT MANAGER AND THE CONSULTANT SHALL COORDINATE THE FOLLOWING: WATER AND SEWER CAPACITY FEES AND THE WET TAP FEES SHALL BE PREPAID BY THE CITY FOR THE CITY CONTRACTS. THE CONTRACTOR SHALL PAY ALL OTHER CONSTRUCTION AND MAINTENANCE WATER METER AND SEWER FEES. AND SHALL COORDINATE WITH THE WATER UTILITIES DEPARTMENT FOR INSTALLATION OF SERVICES. ALLOW THREE (3) MONTHS NOTICE TO THE WATER UTILITIES DEPARTMENT.

# CODES AND REGULATIONS

- 1. 2010 CALIFORNIA BUILDING CODE (CBC) PART 2, CBSC (2009 IBC AND CALIFORNIA AMENDMENTS) AMERICAN WITH DISABILITIES ACT (ADA) ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX OF 28 CFR PART 36).
- 2. 2008 BUILDING ENERGY EFFICIENCY STANDARDS (CALIFORNIA CODES AND REGULATIONS TITLE 24, PART 1)

# UTILITY NOTE:

BEFORE EXCAVATION, VERIFY THE LOCATION OF UNDERGROUND UTILITIES.

AT LEAST TWO (2) WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:

### 1-800-422-4133 UNDERGROUND UTILITIES ALERT

(GAS, ELECTRIC, TELEPHONE, WATER, SEWER, LIGHTING AND T.V.) CITY FACILITIES MAINTENANCE DIVISION (619) 525-8540 IRRIGATION SYSTEMS (619) 533-5783 IRRIGATION CONTROL WIRES (619) 533-5783

# SITE DATA:

TOTAL SITE IMPROVEMENTS: 22,475 S.F. = APPROXIMATE 0.52 ACRE

PROJECT PERMITS:

TRAFFIC CONTROL PERMIT, REVIEW No. \_\_\_\_\_

# FIELD SURVEY: CITY OF SAN DIEGO,

DATE: 5/03/2011

# CITY OF SAN DIEGO BENCH MARK DESCRIPTION:

VERTICAL DATUM-NGVD 29 FEET: THE FOLLOWING BENCHES USED ON THIS PROJECT WERE LOCATED AT #28 \*NEBP HILLTOP DR. AND 47TH ST, ELEVATION: 193.462, #27 \*SEBP GUYMON ST AND 47TH ST, ELEVATION: 139.207, AND #29 \*SEBP 45TH ST AND MARKET ST. ELEVATION: 165.407 BASED ON NGVD29 FEET AS SHOWN IN CITY OF SAN DIEGO BENCH BOOK.

LOCATION: ELEV. = ±177 M.S.L.

THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING GPS 1176 AND GPS 1164 AS SHOWN ON ROS 14492, I.E. N6^27'27"W NAD 83 FEET, ZONE 6 (EPOCH 91.35). UTILIZING RTK/GPS FIELD PROCEDURES WITH THE BASE STATION LOCATED AT AUTONOMOUS PT AND CONSTRAINING TO GPS 1176 (PT#21) AND GPS 1164 (PT#23). CHECKED GPS 1174 (PT#22).

# SHEET INDEX:

SHEET TITLE	SHEET NO.	SHEET REF.
TITLE SHEET DEMOLITION PLAN GRADING PLAN AND DETAILS EROSION CONTROL PLAN CONSTRUCTION PLAN AND LEGEND CONSTRUCTION DETAILS IRRIGATION PLAN PLANTING PLAN ARCHITECTURAL PLANS	1 2 3 THRU 4 5 6 THRU 7 8 THRU 11 12 13 14 THRU 16	G-1 L-1 C-1 THRU C-2 L-2 L-3 THRU L-4 L-5 THRU L-8 L-9 L-10 A-1 THRU A-3 E-1 THRU E-2
ELECTRICAL PLANS	17 11110 10	L I IIINO L-Z

# **DECLARATION OF RESPONSIBILITY**

I HEREBY DECLARE THAT I AM THE LANDSCAPE ARCHITECT OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS LANDSCAPE ARCHITECT OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.



DATE: 8/30/2012

VICKI ESTRADA ESTRADA LAND PLANNING 755 BROADWAY CIRCLE, SUITE 300 SAN DIEGO, CALIFORNIA 92101 VESTRADA@ESTRADALANDPLAN.COM

R.L.A. NO. 1685 EXP. 4/30/14

# INSPECTION SCHEDULE - SHALL INCLUDE BUT NOT BE LIMITED TO:

PRE-CONSTRUCTION MEETING.

DEMOLITION WORK.

ROUGH GRADING AND DRAINAGE SYSTEM. 4. IRRIGATION MAINLINE PRESSURE TEST.

WIRING PRIOR TO BACKFILLING TRENCHES.

. HARDSCAPE AT TIME OF FINISHED STAKING AND LAYOUT.

7. PLAY AREA STRUCTURE ROUGH LAYOUT/FAL ZONE REVIEW 8. RESILIENT SURFACE MARKOUT

9. FINISHED GRADING AND SOIL PREPARATION.

10. IRRIGATION COVERAGE TEST

11. RESILIENT SURFACE REVIEW

12. PLAY STRUCTURES / RESILIENT SURFACING THIRD PARTY CERTIFIED

13. PLANT MATERIAL (WHEN DELIVERED) AND PLACEMENT APPROVAL.

14. PROJECT CONSTRUCTION 100% COMPLETE.

15. 90-DAY PLANT MAINTENANCE PERIOD.

16. FINAL WALK THROUGH, ACCEPTANCE BY CITY.

# PARK INSPECTION TEAM

A. SITE SUPERINTENDENT (CONTRACTOR).

B. CONTRACTOR(S).

C. RESIDENT ENGINEER.

D. CITY PROJECT MANAGER. E. DESIGN CONSULTANT.

F. PARK AND RECREATION REPRESENTATIVES.

G. ACCESS COMPLIANCE OFFICER.

H. THIRD PARTY CERTIFIED INSPECTOR (PLAY AREA/COMPONENTS ONLY)

# PERMITS REQUIRED

BUILDING PERMIT # \_\_

SPEC. NO. 5775

VICKI ESTRADA No. 1685

Nich Strato

8/30/2012

PLUMBING PERMIT # \_\_\_\_

G-1

# CITY CONTRACT

# TITLE SHEET FOR: GOMPERS NEIGHBORHOOD PARK CHILDREN'S PLAY AREA UPGRADES

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS - ENGINEERING AND CAPITAL PROJECTS SHEET 1 OF 18 SHEETS

			- 1 -		
Samw.	11	9/1	3/12		SAMIR MAHMALJI
FOR CITY ENGINEER		12	DATE		SECTION HEAD
DESCRIPTION	BY	APPROVED	DATE	FILMED	DEBBIE VAN MARTIN
ORIGINAL	ELP		8/30/2012		PROJECT MANAGER
					198-1737
					NAD83 COORDINATES
					1838-6298
					LAMBERT COORDINATES
CONTRACTOR		DATE STARTE			36925- 1-D

DATE COMPLETED

CITY OF SAN DIEGO PUBLIC WORKS PROJECT





Urban Design Landscape Architecture Computer Imaging

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_ MEDIUM \_\_\_\_ LOW\_\_\_

CONSULTANT

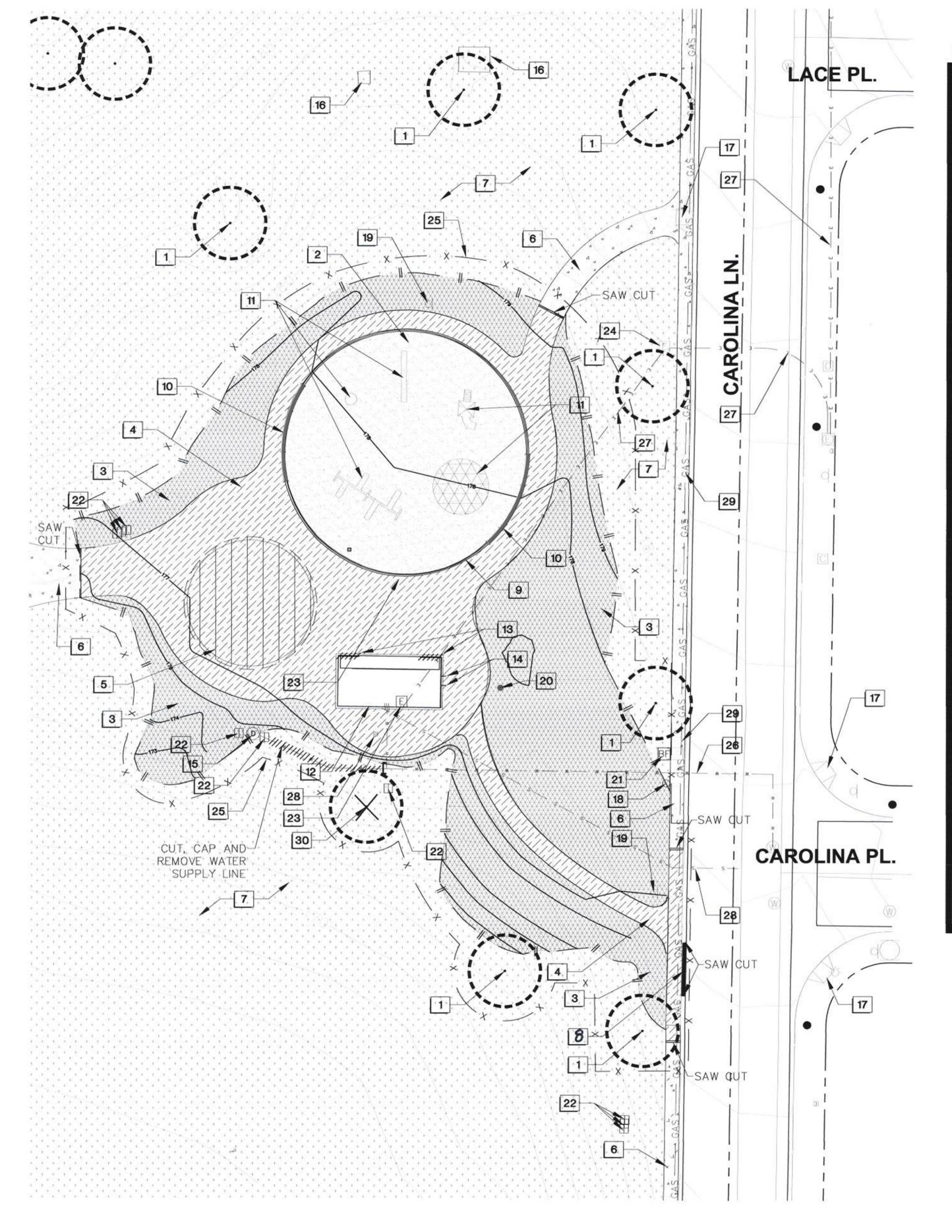
619.236.0143 755 Broadway Circle, Suite 300 San Diego, California 92101-6161 619.236.0578 Fax ELP@EstradaLandPlan.com

M: \Projects\100\12264-Gompers Park\ACADD\FinalSubmittal\12264\_Title.dwg

CONSTRUCTION CHANGE / ADDENDUM

AFFECTED OR ADDED SHEET NUMBERS

CHANGE DATE



DEM	IOLITION DETAIL KEY	
NUM.	DESCRIPTION	SYMBOL
1	EXISTING TREES TO REMAIN. PROTECT IN PLACE PER SPECIFICATIONS, TYP. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING TREE ROOTS DURING DEMOLITION AND CONSTRUCTION OPERATIONS. PROVIDE TREE PROTECTION FENCE WITHIN THE LIMIT OF WORK — SEE DETAIL A / L-10.	
2	REMOVE AND DISPOSE OF SAND.	
3	REMOVE AND DISPOSE OF EXISTING TURF TO ALLOW FOR GRADING OPERATIONS.	
4	REMOVE AND RECYCLE EXISTING CONCRETE PAVING. SAWCUT AS REQUIRED TO ALLOW FOR PAVING REMOVAL, REMOVE TO NEAREST JOINT.	1/////
5	REMOVE AND DISPOSE OF EXISTING SOILS AS REQUIRED TO ALLOW FOR NEW PLAY AREA CURBING, SUB-SLAB CONCRETE AND BASE MATERIAL.	
6	EXISTING CONCRETE PAVING TO REMAIN - PROTECT IN PLACE.	
7	EXISTING TURF AREA TO REMAIN - PROTECT IN PLACE.	+ + + + + + +
8	REMOVE AND RECYCLE EXISTING CURB AND GUTTER, AS REQUIRED TO INSTALL NEW CURB RAMP.	
9	REMOVE AND RECYCLE EXISTING CONCRETE RAISED WALL.	
10	REMOVE AND RECYCLE EXISTING SEAT WALLS.	/
11	REMOVE AND RECYCLE EXISTING PLAY EQUIPMENT AND FOOTINGS.	SEE PLAN
12	EXISTING RESTROOM BUILDING TO REMAIN - SEE ARCHITECTURAL PLANS FOR BUILDING RETROFIT DEMOLITION ADA UPGRADE IMPROVEMENTS.	
13	EXISTING RESTROOM BUILDING WALLS TO BE REMOVED PER ARCHITECTURAL DEMOLITION PLANS.	****
14	REMOVE AND DISPOSE OF (2) EXISTING BIKE RACKS.	_
15	EXISTING DRINKING FOUNTAIN TO BE REMOVED. REMOVE AND REPLACE EXISTING COPPER WATER SUPPLY LINE AT LOCATION INDICATED AND INSTALL 3/4" COPPER SUPPLY LINE TO NEW DRINKING FOUNTAIN LOCATION PER CONSTRUCTION PLAN.	®// ≈ ///
16	EXISTING PICNIC TABLES TO REMAIN - PROTECT IN PLACE.	
17	EXISTING PEDESTRIAN CURB RAMP - PROTECT IN PLACE.	1
18	EXISTING SIGN TO REMAIN - PROTECT IN PLACE.	d
19	REMOVE AND DISPOSE OF EXISTING SIGNAGE POST AND FOOTING.	q
20	REMOVE AND DISPOSE OF EXISTING TRASH CAN POST AND FOOTING.	•
21	EXISTING BACKFLOW PREVENTER TO REMAIN - PROTECT IN PLACE.	BF
22	EXISTING IRRIGATION BOXES TO REMAIN - PROTECT IN PLACE.	Ш
23	EXISTING ELECTRICAL RISER (ON EXTERIOR) TO REMAIN - PROTECT IN PLACE.	E
24	EXISTING ELECTRICAL BOXES TO REMAIN - PROTECT IN PLACE.	E
25	CONSTRUCTION FENCE — CONTRACTOR TO ADJUST FENCING LIMIT AS REQUIRED TO PROTECT CONSTRUCTION AREA AND TO MAINTAIN ACCESS WITHIN THE RIGHT—OF—WAY.	— х —
26	EXISTING 2" WATER SUPPLY LINE TO RESTROOM-PROTECT IN PLACE	
27	EXISTING ELECTRICAL LINE-PROTECT IN PLACE	Ε
28	EXISTING SEWER LINE/CLEAN OUT - PROTECT IN PLACE	s
29	EXISTING 14" GAS LINE-PROTECT IN PLACE	——— GAS
30	COORDINATE REVIEW OF EXISTING TREE BY PARK AND RECREATION ARBORIST. REMOVE TREE IF DETERMINED TO BE IN POOR HEALTH, COMPLETE REMOVAL INCLUDING ROOT BALL GRINDING.	$(\hat{X})$

# **GENERAL DEMOLITION NOTES**

- 1. THIS PLAN SHOWS THE GENERAL CONDITIONS OF THE EXISTING SITE. THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE FULL SCOPE OF THE DEMOLITION REQUIRED TO PROVIDE A COMPLETE AND FULLY PREPARED PROJECT SITE. THE FULL SCOPE OF THE DEMOLITION SHALL BE BASED ON THE NEW IMPROVEMENTS TO BE INSTALLED UNDER THIS CONTRACT.
- 2. VERIFY LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION. PROTECT AND PRESERVE ALL EXISTING UTILITIES. NOTIFY RESIDENT ENGINEER OF CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED IMPROVEMENTS. SEE SPECS FOR REQUIREMENTS.
- 3. CONTRACTOR IS RESPONSIBLE TO PROTECT ALL PRESERVED AMENITIES AND EQUIPMENT, INCLUDING THOSE ITEMS TO BE RELOCATED OR REINSTALLED PER PLANS. CONTRACTOR SHALL REPLACE OR REPAIR ANY AMENITIES OR EQUIPMENT DAMAGED BY CONSTRUCTION OPERATIONS TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 4. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SAFE ACCESS AROUND CONSTRUCTION AREAS. DETOURS SHALL BE PROVIDED AS NECESSARY TO ENSURE SAFE, NON-DISRUPTED ACCESS ALONG AREAS ADJACENT TO CONSTRUCTION WORK.
- 5. CONTRACTOR SHALL ERECT A TEMPORARY 6' HIGH CHAIN LINK CONSTRUCTION FENCE AROUND THE ENTIRE LIMIT OF WORK AND A PROTECTIVE FENCE AROUND EXISTING TREES TO REMAIN. THE FENCE SHALL REMAIN UP DURING THE ENTIRE CONSTRUCTION PERIOD. LAY OUT FENCE PER PLAN LIMIT OF WORK OR AS APPROVED BY RESIDENT ENGINEER. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
- 6. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL WALK THE SITE WITH THE RESIDENT ENGINEER TO VERIFY LIMITS OF WORK.
- 7. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A 'PERMIT TO EXCAVATE' WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TOLL FREE 1-800-422-4133, TWO DAYS BEFORE YOU DIG.
- 8. PROTECT ALL VAULTS AND BOXES IN PLACE UNLESS OTHERWISE NOTED ON PLANS. ADJUST TO PROPOSED GRADE AS REQUIRED.
- 9. VERIFY WATER SOURCE FOR RESTROOM AND IRRIGATION SYSTEM PRIOR TO GRADING.

SEE SHEET 12 FOR EXISTING IRRIGATION SYSTEMS

SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SCALE 1" = 20'

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_ MEDIUM \_\_\_\_ LOW\_\_\_

CONSULTANT Estrada Land Planning Urban Design Landscape Architecture Computer Imaging

619.236.0143 755 Broadway Circle, Suite 300 San Diego, California 92101-6161 619.236.0578 Fax ELP@EstradaLandPlan.com

CITY CONTRACT

SPEC. NO. 5775

VICKI ESTRADA No. 1685 Exp. 4/30/2014

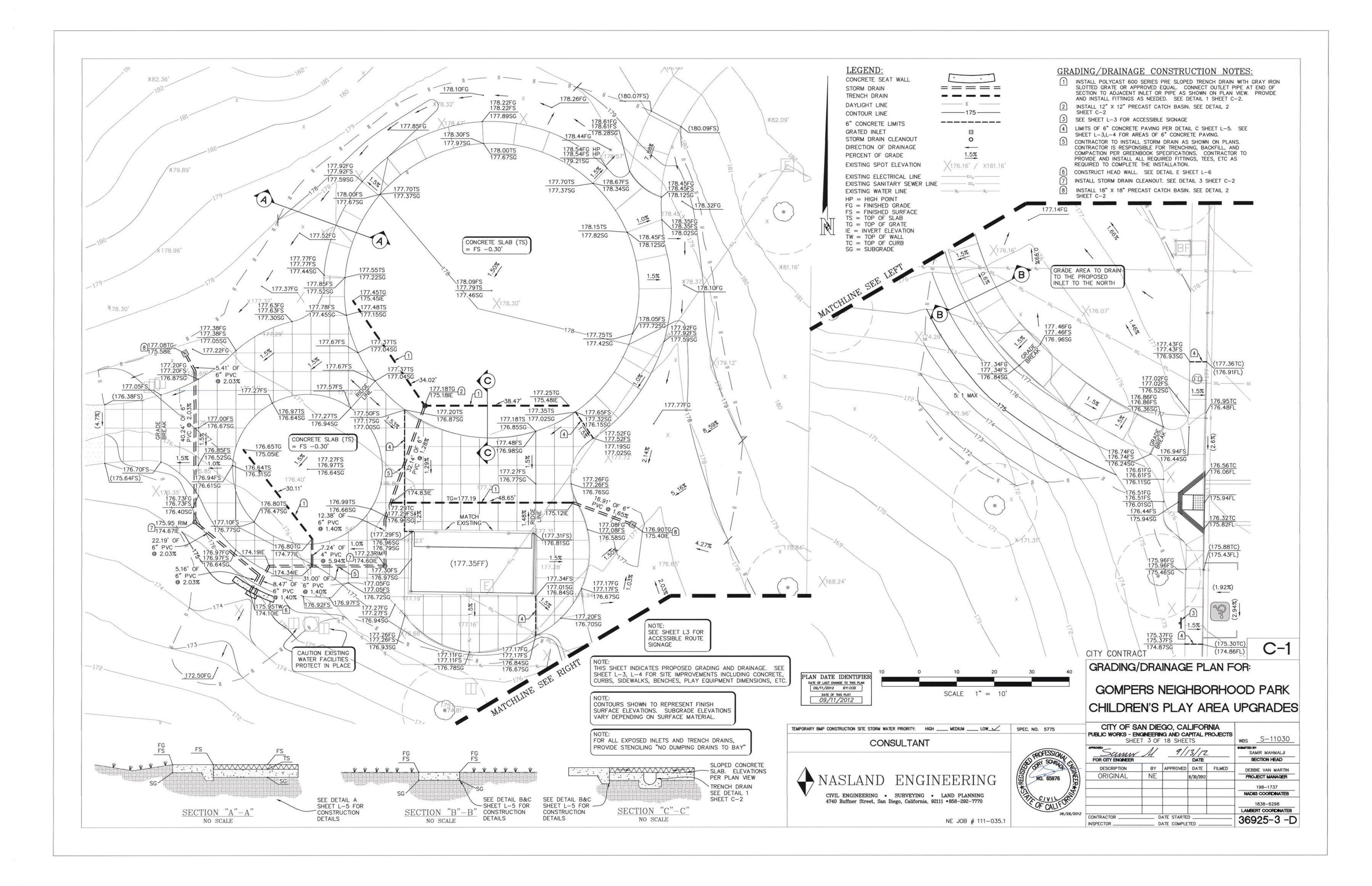
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L-1

DEMOLITION PLAN FOR: GOMPERS NEIGHBORHOOD PARK CHILDREN'S PLAY AREA UPGRADES

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS - ENGINEERING AND CAPITAL PROJECTS wbs S-11030 SHEET 2 OF 18 SHEETS SAMIR MAHMALJI SECTION HEAD BY APPROVED DATE FILMED DEBBIE VAN MARTIN ORIGINAL ELP PROJECT MANAGER 198-1737 NAD83 COORDINATES 1838-6298 LAMBERT COORDINATES CONTRACTOR 36925-2-D DATE COMPLETED .

M:\Projects\100\12264-Gompers Park\ACADD\FinalSubmittal\12264\_D.dwg



# DISABLED ACCESS NOTES

- 1. ALL SLOPES SHOWN ON THIS PLAN WERE DESIGNED AT OR BELOW MAXIMUMS ALLOWED BY THE CALIFORNIA BUILDING CODE (C.B.C.) AND THE AMERICANS WITH DISABILITY ACT ACCESS GUIDE (A.D.A.A.G.) IN ORDER TO ALLOW FOR CONSTRUCTION TOLERANCES. IT IS CONTRACTORS' RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH A.D.A.A.G. AND 2010 C.B.C. AND IN THE EVENT THAT A DESIGN QUESTION SHOULD ARISE, OR A FIELD CONDITION PRESENT ITSELF THAT IS DIFFERENT THAN SHOWN ON THESE PLANS, WORK SHOULD CEASE AND THE ENGINEER NOTIFIED SO THAT AN ACCEPTABLE SOLUTION CAN BE DETERMINED.
- 2. THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO C.B.C. AND A.D.A.A.G. ACCESS FOR THIS PROJECT. SINCE THE CODE DOES NOT ALLOW FOR CONSTRUCTION TOLERANCE, ANY CONSTRUCTION THAT EXCEEDS MAXIMUM OR MINIMUM DIMENSIONS AND SLOPES AS CALLED OUT BY C.B.C. AND A.D.A.A.G. ARE SUBJECT TO REJECTION BY THE CITY AND MAY BE REQUIRED TO BE REMOVED AND REPLACED.
- 3. SINCE THE CIVIL ENGINEER OR SURVEYOR CAN NOT CONTROL THE EXACT METHODS OR MEANS USED BY THE GENERAL CONTRACTOR OR THEIR SUB-CONTRACTORS DURING GRADING AND CONSTRUCTION OF THE PROJECT, THE CIVIL ENGINEER ASSUMES NO RESPONSIBILITY FOR THE FINAL ACCEPTANCE OF A.D.A.A.G. RELATED ITEMS BY THE CITY, ANY OTHER AUTHORITY, OR OTHER AFFECTED PARTIES.

# GRADING NOTES

- 1. GRADING AS SHOWN ON THESE PLANS SHALL BE IN CONFORMANCE WITH CURRENT STANDARD SPECIFICATIONS AND CHAPTER 14, ARTICLE 2, DIVISION 1, OF THE SAN DIEGO MUNICIPAL CODE, 2000 EDITION.
- 2. PLANT AND IRRIGATE ALL CUT AND FILL SLOPES AS REQUIRED BY ARTICLE 2, DIVISION 4, SECTION 142.0411 OF THE SAN DIEGO LAND DEVELOPMENT CODE AND ACCORDING TO SECTION IV OR THE LAND DEVELOPMENT MANUAL LANDSCAPE STANDARDS.
- 3. GRADED, DISTURBED, OR ERODED AREAS THAT WILL NOT BE PERMANENTLY PAVED, COVERED BY STRUCTURE, OR PLANTED FOR A PERIOD OVER 90 DAYS SHALL BE TEMPORARILY REVEGITATED WITH A NON-IRRIGATED HYDROSEED MIX, GROUND COVER, OR EQUIVALENT MATERIAL.
- 4. FOR SUBGRADE PREPARATION REFER TO GREENBOOK FOR SPECIFICATIONS.

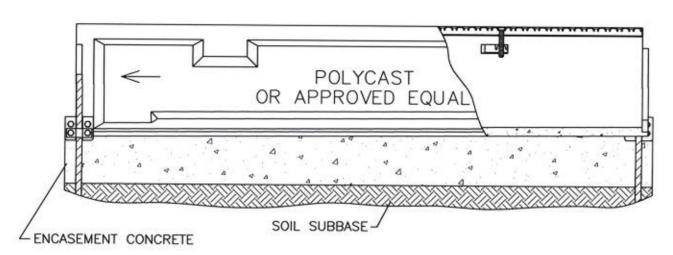
# GRADING QUANTITIES

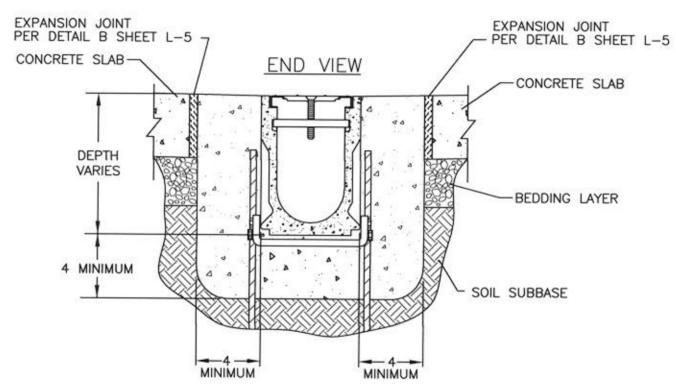
GRADED AREA. .. 24,700 SQ FT MAX. CUT DEPTH 1 FT CUT QUANTITIES ...71 CYD MAX CUT SLOPE RATIO (5:1MAX) 5:1 FILL QUANTITIES ...133 CYD MAX. FILL DEPTH 3 FT .62 CYD MAX FILL SLOPE RATIO (5: 1MAX) 5:1

NOTE:

EARTHWORK QUANTITIES DO NOT REFLECT ANY SPECIAL CONDITIONS THAT MAY BE ENCOUNTERED DURING CONSTRUCTION AND ARE FOR REFERENCE ONLY. SINCE THE ENGINEER CANNOT CONTROL THE EXACT METHOD OR MEANS USED BY THE CONTRACTOR DURING GRADING OPERATIONS, NOR CAN THE ENGINEER GUARANTEE THE EXACT SOIL CONDITION OVER THE ENTIRE SITE, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR FINAL EARTHWORK QUANTITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING HIS OWN EARTHWORK QUANTITIES FOR BIDDING, CONTRACT, AND CONSTRUCTION PURPOSES.

# SIDE ELEVATION VIEW

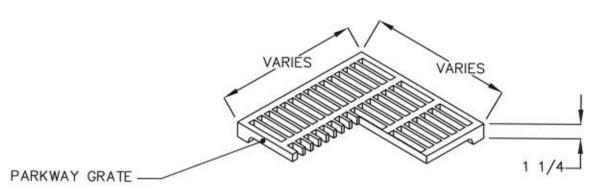


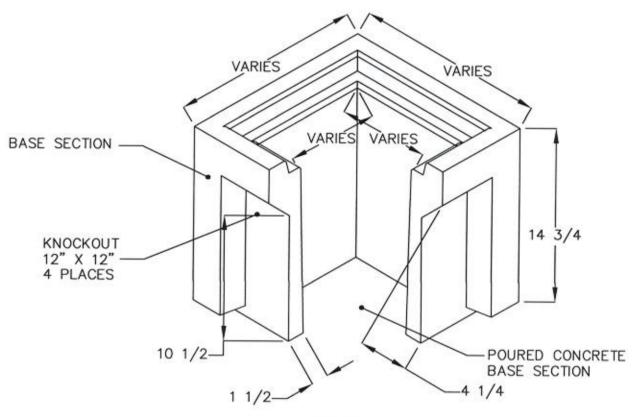


-CONCRETE STRENGTH, THICKNESS AND REINFORCEMENT BE DETERMINED BY THE STRUCTURAL

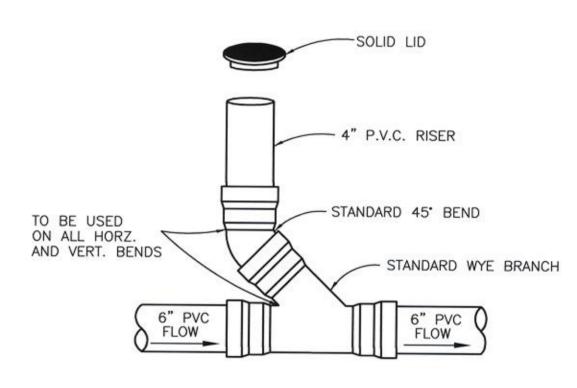
-REFER TO POLYCAST® OR APPROVED EQUAL INSTALLATION GUIDE FOR COMPLETE DETAILS. -EXPANSION JOINTS SHOULD BE USED TO PROTECT THE CHANNEL AND CONCRETE ENCASEMENT.

# DETAIL 1 TRENCH DRAIN INSTALLATION DETAIL NO SCALE





DETAIL 2 US CONCRETE OR APPROVED EQUAL DRAIN BOX PARKWAY NO SCALE



DETAIL 3 STORM DRAIN CLEANOUT DETAIL NO SCALE

CITY CONTRACT

C-2

NOTES/DETAILS FOR:

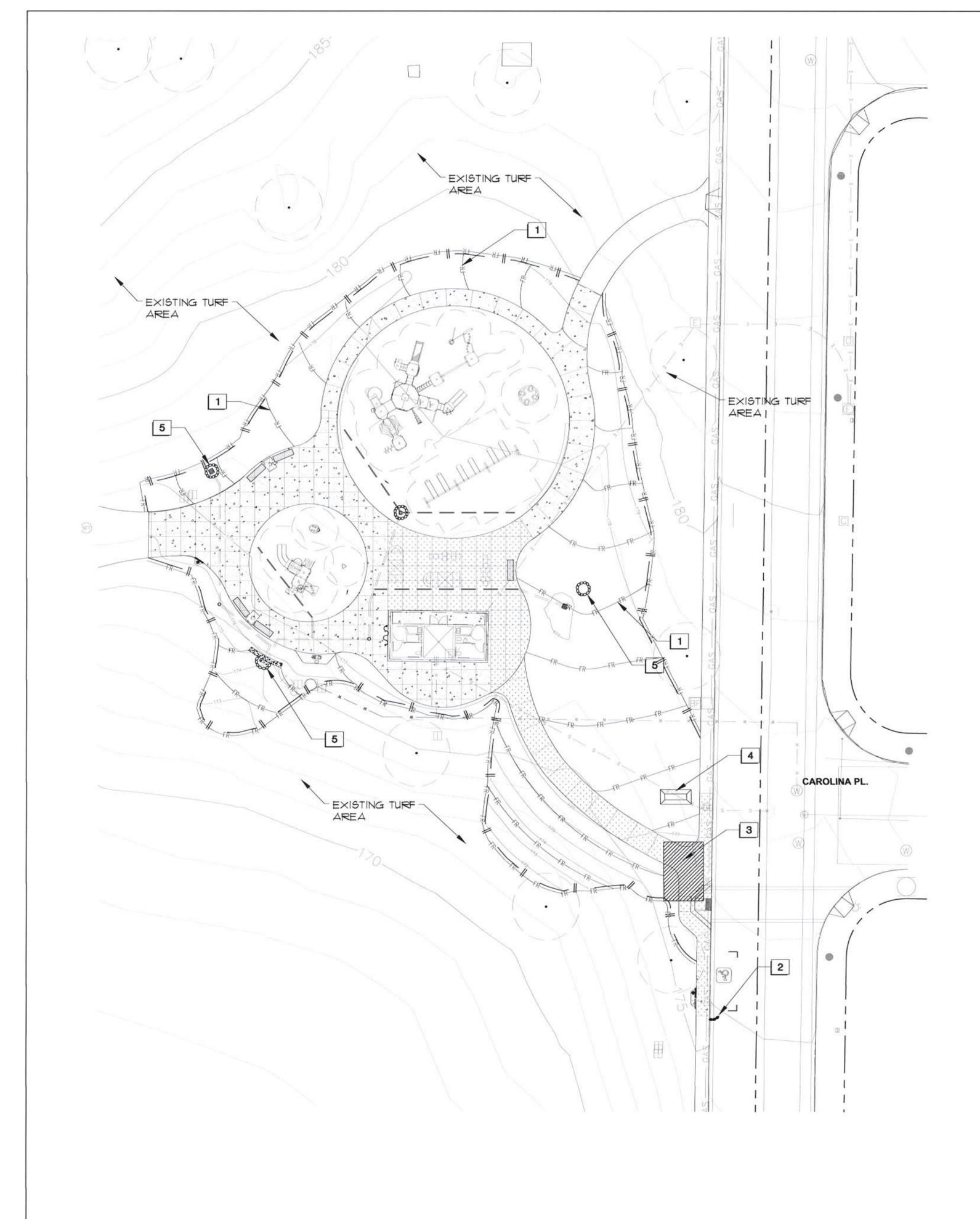
PLAN DATE IDENTIFIER DATE OF LAST CHANGE TO THIS PLAN 09/11/2012 BY: CCB GOMPERS NEIGHBORHOOD PARK 09/11/2012 CHILDREN'S PLAY AREA UPGRADES



NE JOB # 111-035.1

CONSULTANT

	CITY OF SA PUBLIC WORKS - EN SHEE	GINEERIN	GO, CA IG AND CA 18 SHEE	APITAL PI	NIA ROJECTS	wbs _S-11030
	Samuy FOR CITY ENGINEER	M	9//	3//2 DATE		SAMIR MAHMALJI SECTION HEAD
+	DESCRIPTION	BY	APPROVED	DATE	FILMED	DEBBIE VAN MARTIN
	ORIGINAL	NE		8/30/2012		PROJECT MANAGER
"						198-1737
						NAD83 COORDINATES
						1838-6298
2						LAMBERT COORDINATES
77	INSPECTOR	130	ATE STARTE		<u> </u>	36925-4 -D



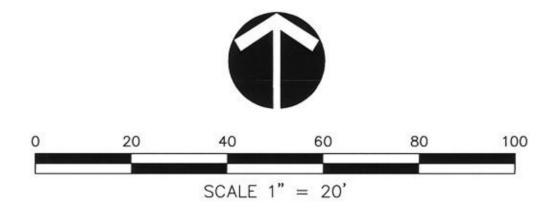
# WATER POLUTION CONTROL LEGEND

NUM.	DESCRIPTION	SYMBOL
1	FIBER ROLLS PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) FACT SHEET SE-5	—FRFR
2	GRAVEL BAGS PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) FACT SHEET SE-6, SE-10	~
3	STABILIZED CONSTRUCTION ENTRANCE PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) FACT SHEET TC-1	
4	CONCRETE WASHOUT PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) FACT SHEET WM-8	
5	BIO-FILTER BAGS PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) FACT SHEET SE-14	O ~~

# EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE CITY OF SAN DIEGO "LAND DEVELOPMENT MANUAL AND STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED WATER POLLUTION CONTROL PLAN (WPCP) FOR CONSTRUCTION LEVEL BMP'S AND FORM PERMANENT POST CONSTRUCTION TREATMENT CONTROL PERMANENT BMP'S, THE WATER QUALITY TECHNICAL REPORT (WQTR) IF APPLICABLE.
- 2. FOR STORM DRAIN INLET, PROVIDE A BIO-FILTER RING IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON PLANS AND/OR DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET DUE TO CONSTRUCTION ACTIVITY, AT THE END OF EACH WORKING DAY.
- 5. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 6. PERMANENT BMP DEVICES SHOWN ON PLAN SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER.
- 7. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- 8. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER AND THE ENGINEER OF WORK DUE TO UNCOMPLETED IMPROVEMENTS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS
- 10. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 11. ALL REMOVABLE PROTECTIVE DEVICES AS SHOWN ON THE PLANS SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FIVE DAY RAIN PROBABILITY FORECAST
- 12. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURE AND OTHER RELATED CONSTRUCTION ACTIVITIES.
- 13. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 14. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- 15. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
- 16. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- 17. CONTRACTOR SHALL PREPARE A WATER POLLUTION CONTROL PLAN (WPCP) USING A CALIFORNIA STORM WATER QUALITY ASSOCIATION (CASQA) QUALIFIED CONTACT PERSON (QCP) AND MONITOR USING QCP.

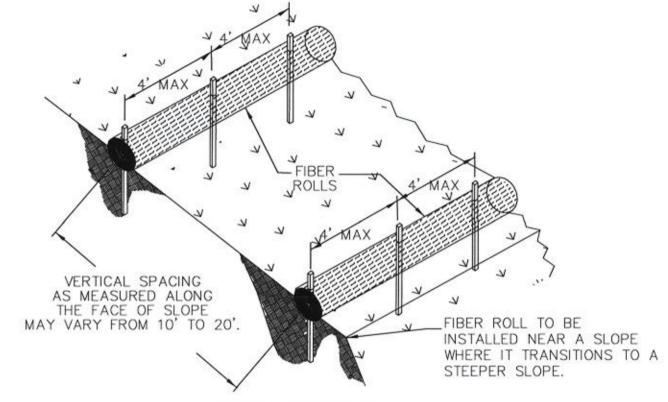


TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_ MEDIUM \_\_\_\_ LOW\_\_\_ SPEC. NO. 5775 CONSULTANT

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TYPICAL INSTALLATION FIBER ROLLS ARE TO BE INSTALLED ALONG A LEVEL CONTOUR - FIBER ROLL

ENTRENCHMENT DETAIL

FIBER ROLL SE-5

CITY CONTRACT

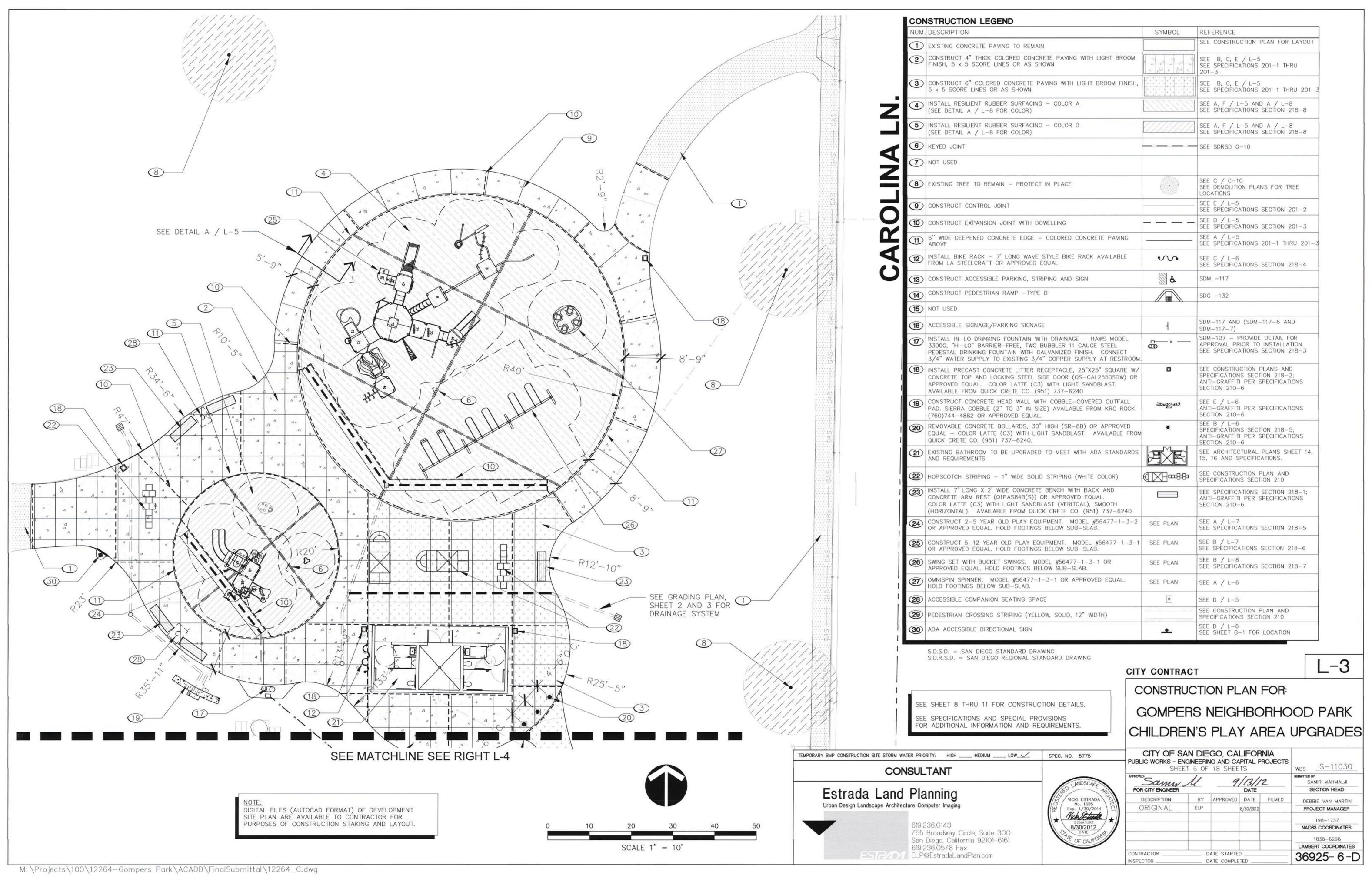
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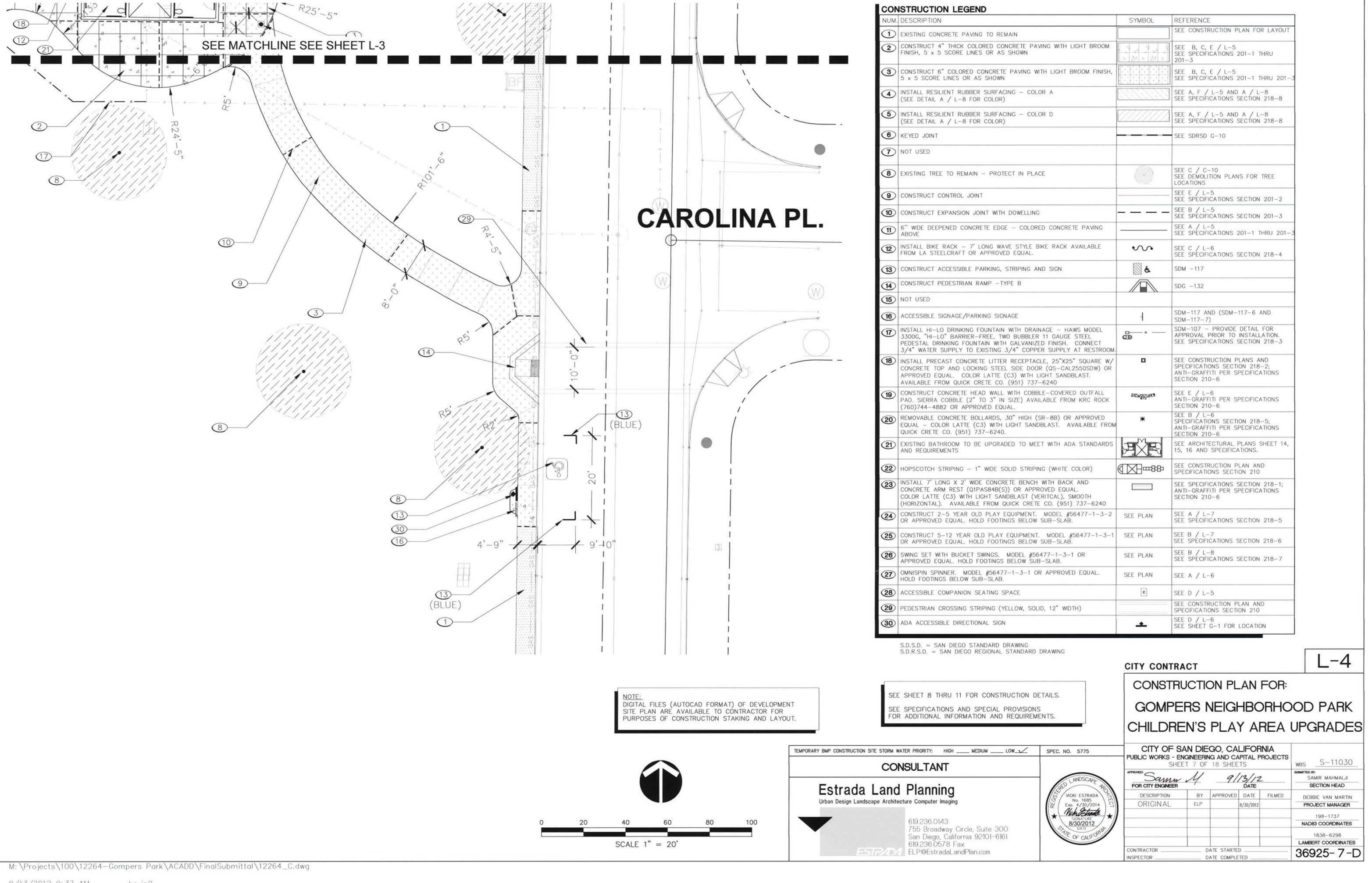
L-2

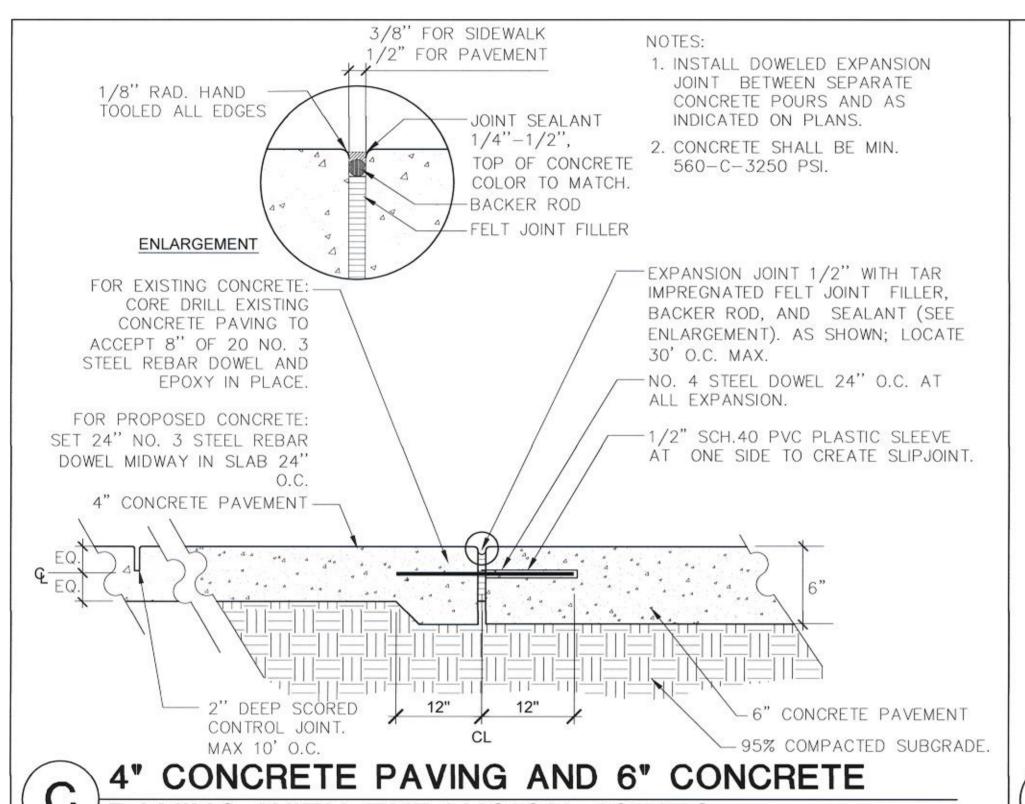
EROSION CONTROL PLAN FOR: GOMPERS NEIGHBORHOOD PARK CHILDREN'S PLAY AREA UPGRADES

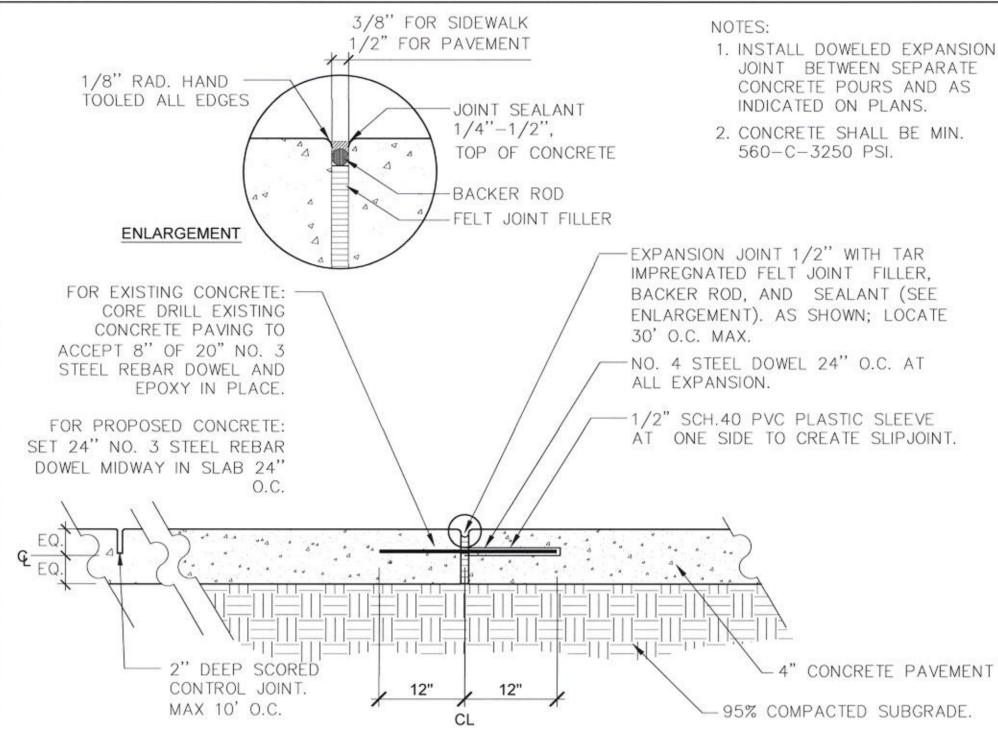
Samuel FOR CITY ENGINEER	M	9/	/3//2 DATE	-	SAMIR MAHMALJI SECTION HEAD
DESCRIPTION	BY	APPROVED	DATE	FILMED	DEBBIE VAN MARTIN
ORIGINAL	ELP		8/30/2012		PROJECT MANAGER
					198-1737
					NAD83 COORDINATES
					1838-6298
					LAMBERT COORDINATE

CITY OF SAN DIEGO, CALIFORNIA









CONCRETE PAVING WITH EXPANSION JOINTS

B

CONTROL JOINT

CONCRETE PAVEMENT WITH THICKENED EDGE PER GEOTECHNICAL REPORT - SLOPE AWAY FROM TOT LOT AT 1.5%

90% COMPACTED SUBGRADE

3 COLOR WEAR LAYER PER MANUFACTURER

CUSHION LAYER PER MANUFACTURER

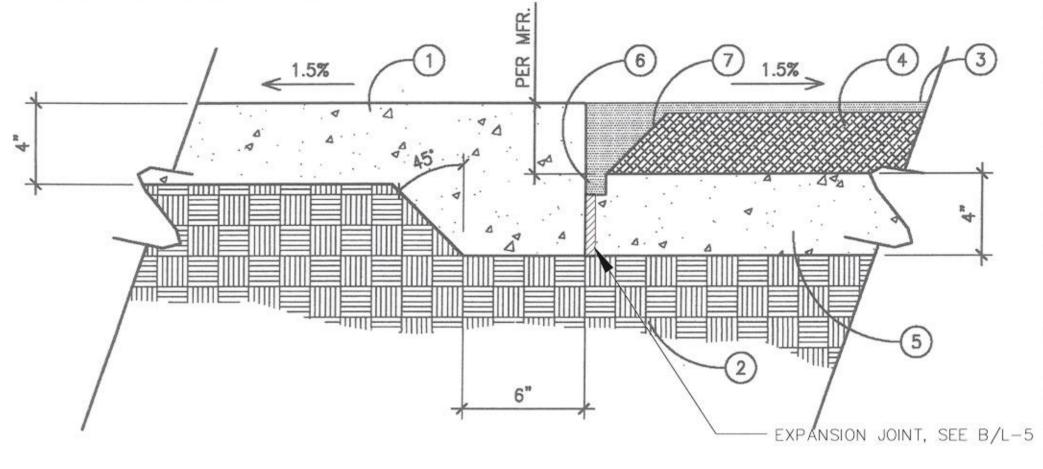
520-C-2500 CONCRETE BASE

6 1 X 1 KEY IN CONCRETE BASE

7 45" CHAMFER

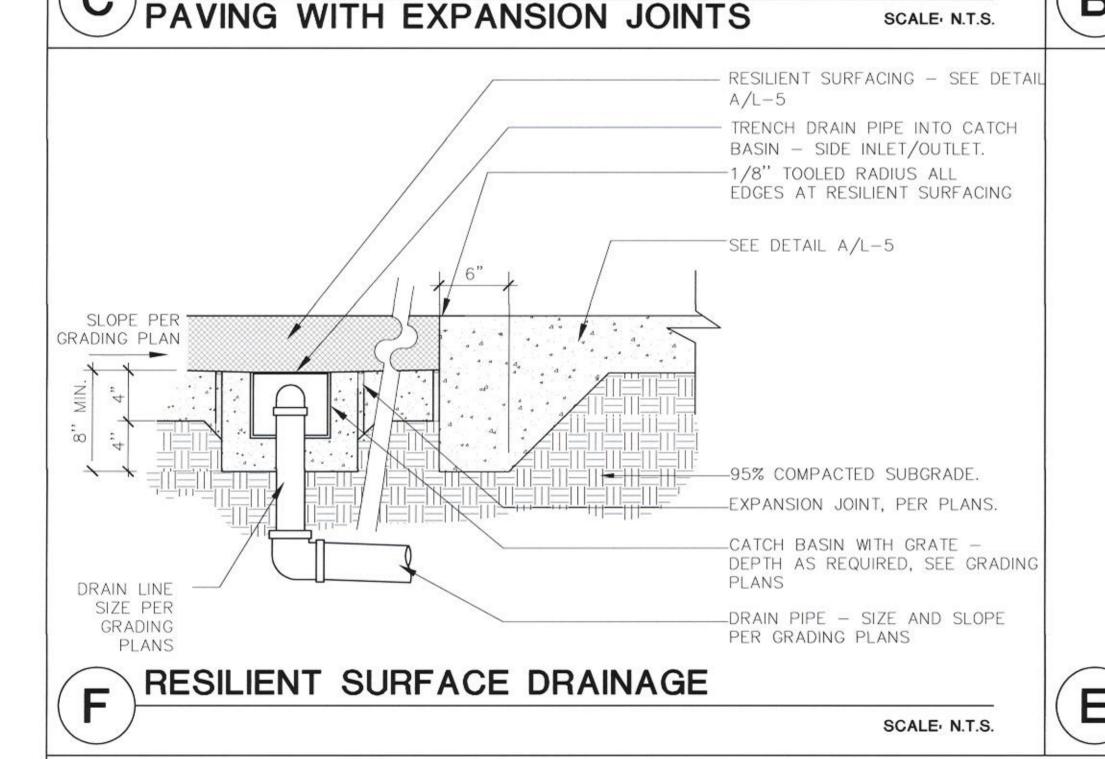
1/8" RADIUS WHERE ABUTTING POURED-IN-PLACE SURFACING

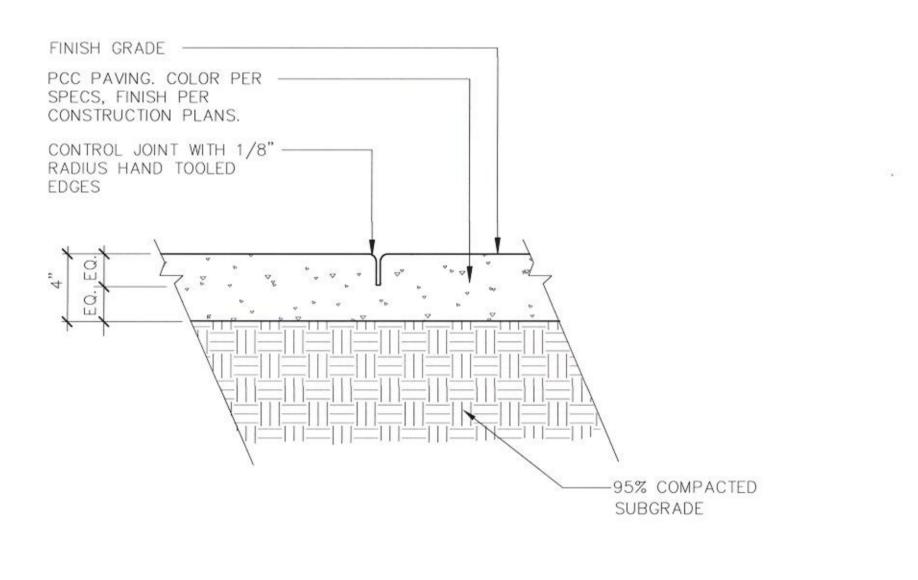
NOTE: SLOPE CONCRETE BASE FOR RESILIENT SURFACING TOWARD TOT LOT DRAINAGE.



# PLAY AREA RESILIENT RUBBER SURFACING A

SCALE: N.T.S.





EDGE OF HARDSCAPE CONCRETE BENCH, LOCATION AND TYPE PER PLANS -ACCESSIBLE COMPANION SEATING, MIN. 36"X48" CLEAR SPACE MAXIMUM 1.5% SLOPE IN ALL DIRECTIONS (NO MARKING MIN. 3'-0" REQUIRED)

TYPICAL BENCH LAYOUT WITH ADA COMPANION SCALE: N.T.S. SEATING

L-5

CITY CONTRACT CONSTRUCTION DETAILS FOR: GOMPERS NEIGHBORHOOD PARK CHILDREN'S PLAY AREA UPGRADES

CITY OF SAN DIEGO, CALIFORNIA SPEC. NO. 5775 PUBLIC WORKS - ENGINEERING AND CAPITAL PROJECTS wbs S-11030 SHEET 8 OF 18 SHEETS SAMIR MAHMALJI SECTION HEAD VICKI ESTRADA No. 1685 BY APPROVED DATE DEBBIE VAN MARTIN ORIGINAL PROJECT MANAGER \* Nich Strate 198-1737 NAD83 COORDINATES 1838-6298 LAMBERT COORDINATES CONTRACTOR 36925-8-D DATE COMPLETED

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_ MEDIUM \_\_\_\_ LOW\_\_\_ CONSULTANT

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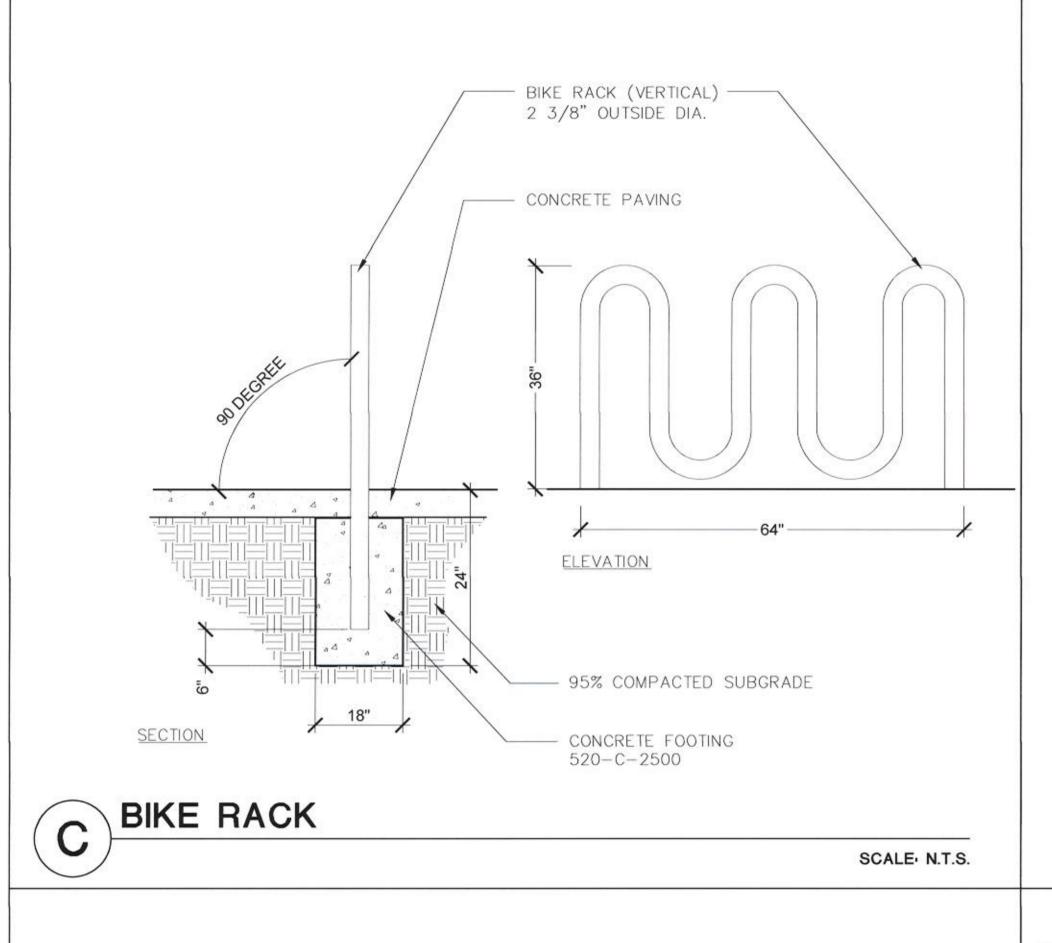
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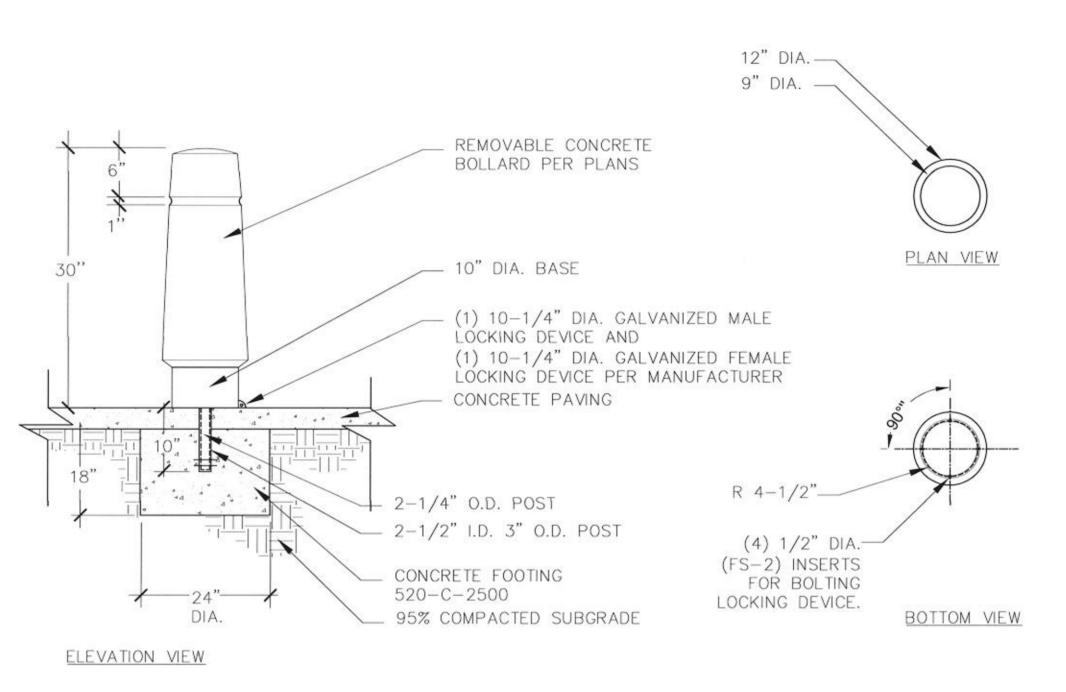
SCALE: N.T.S.

619.236.0143 755 Broadway Circle, Suite 300 San Diego, California 92101-6161 619.236.0578 Fax

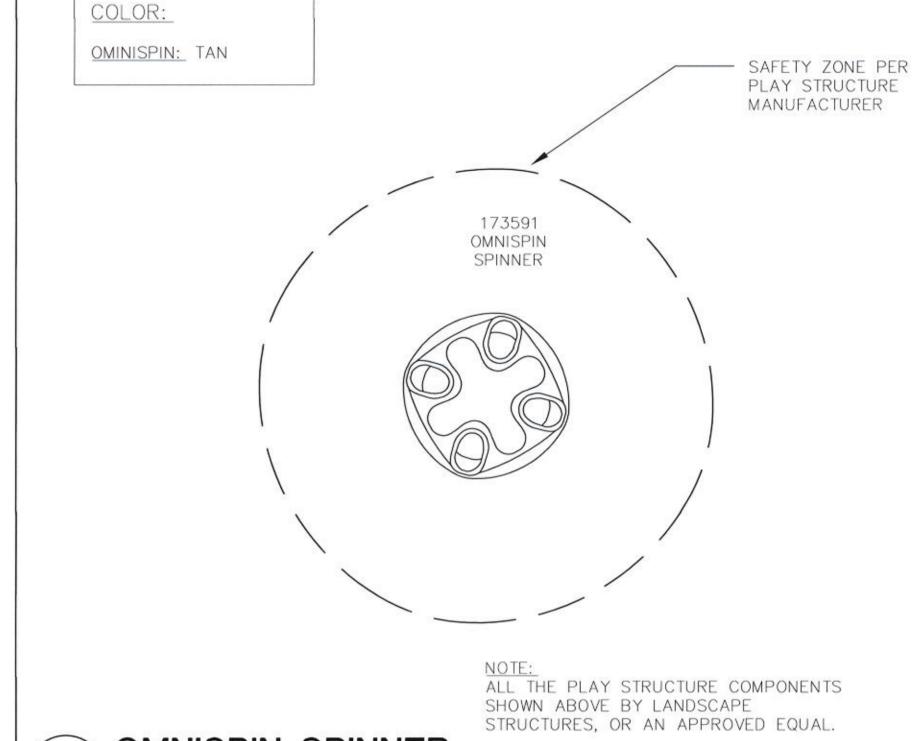
ELP@EstradaLandPlan.com

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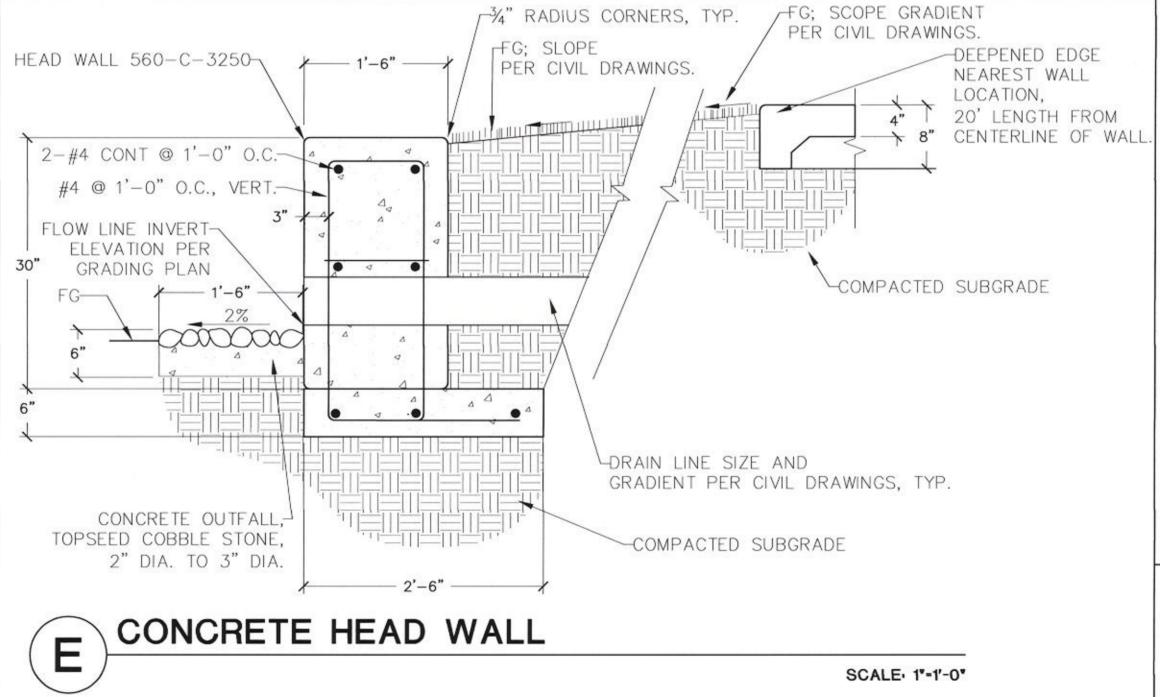


SCALE: N.T.S.



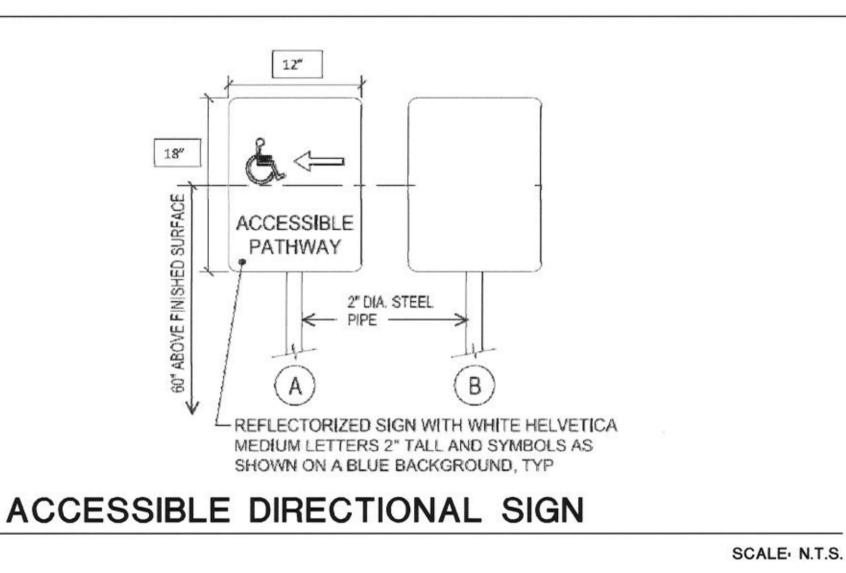
OMNISPIN SPINNER

SCALE: N.T.S.



**BOLLARD-REMOVABLE** 

В



CITY CONTRACT

L-6

CONSTRUCTION DETAILS FOR:

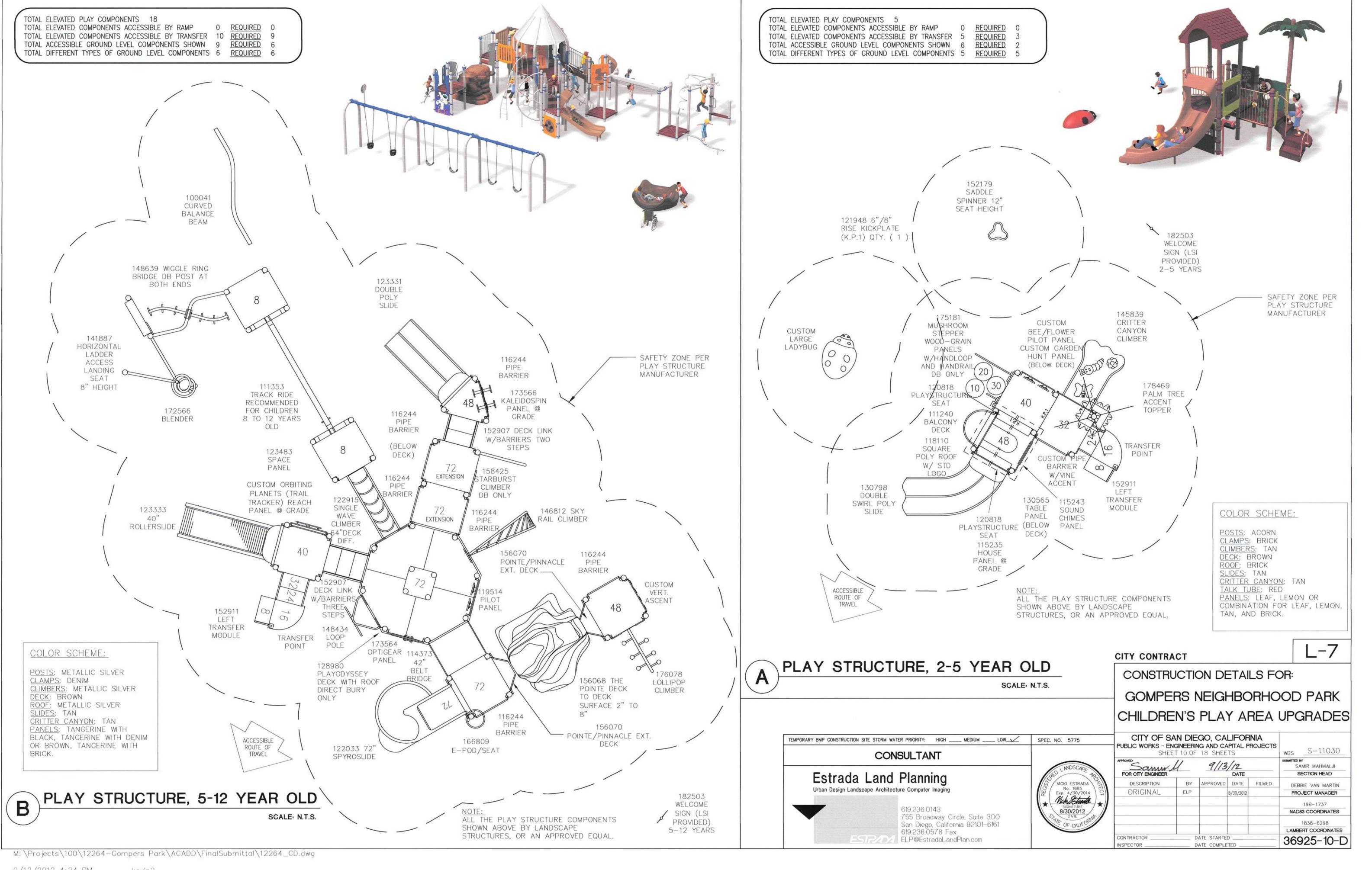
GOMPERS NEIGHBORHOOD PARK

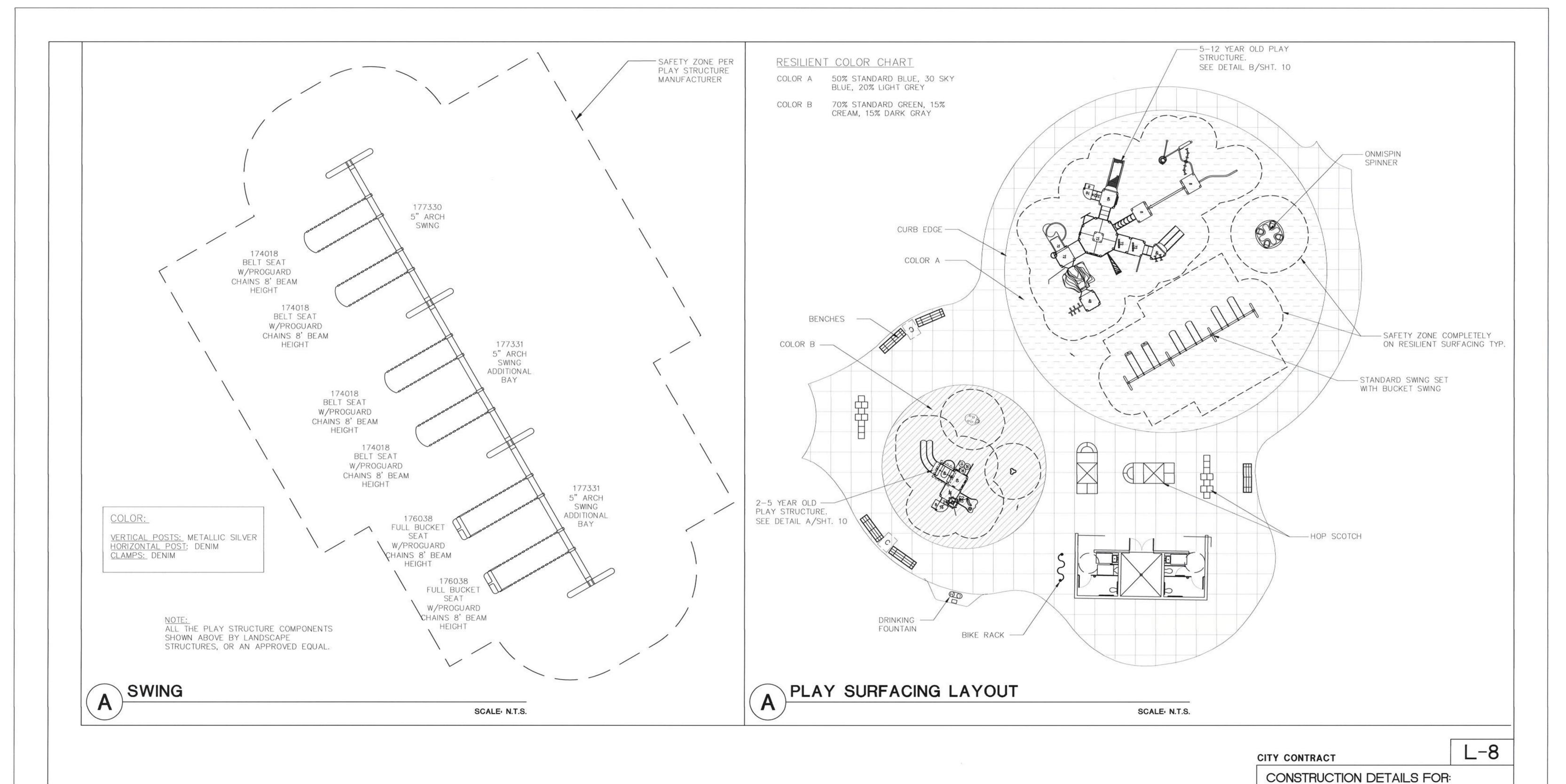
CHILDREN'S PLAY AREA UPGRADES

CITY OF SAN DIEGO, CALIFORNIA TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_ MEDIUM \_\_\_\_ LOW\_\_\_ SPEC. NO. 5775 PUBLIC WORKS - ENGINEERING AND CAPITAL PROJECTS
SHEET 9 OF 18 SHEETS wbs \_S-11030 CONSULTANT Saww / FOR CITY ENGINEER SAMIR MAHMALJI SECTION HEAD Estrada Land Planning MCKI ESTRADA
No. 1685
Exp. 4/30/2014

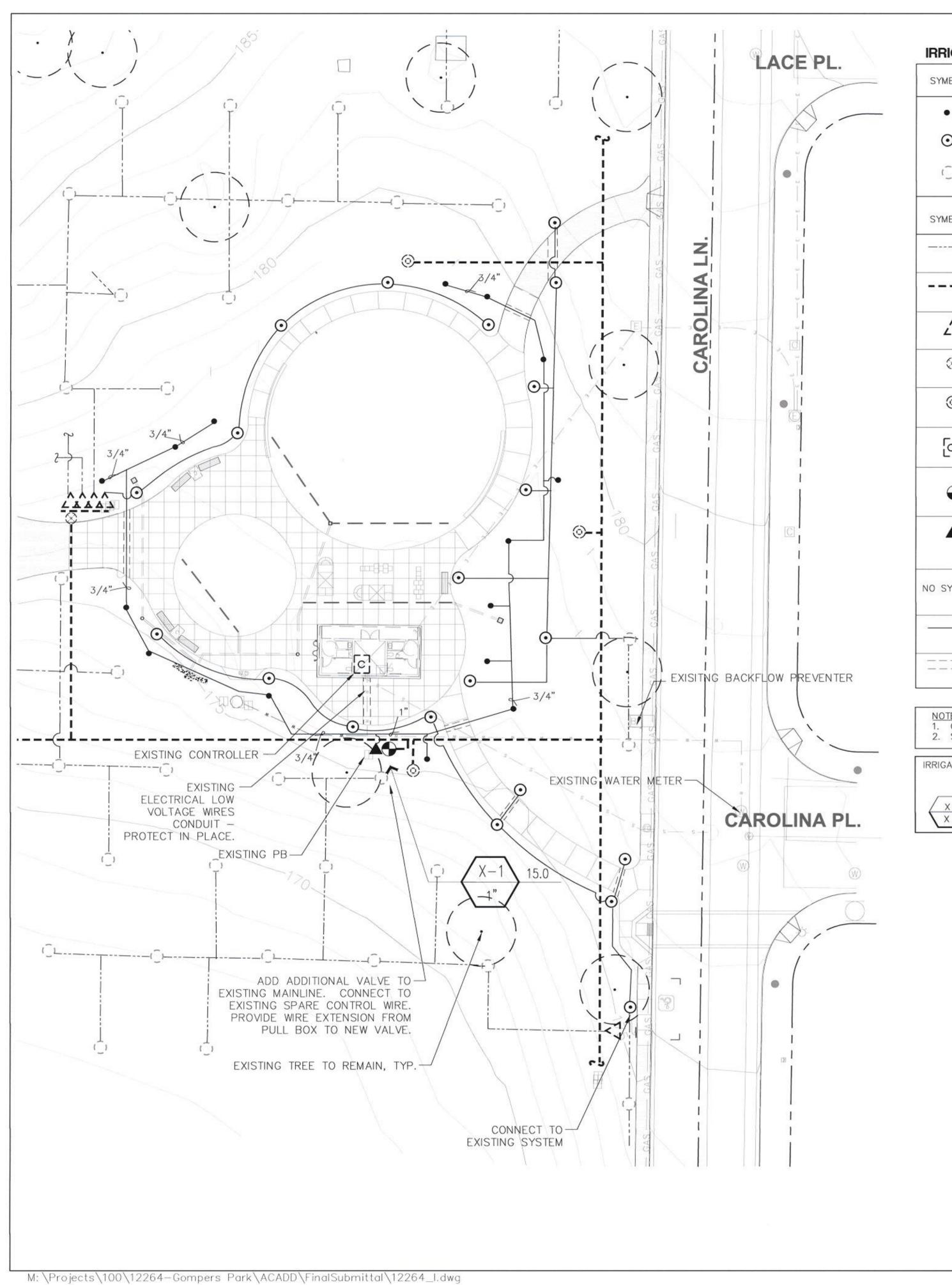
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SIGNATURE BY APPROVED DATE FILMED DEBBIE VAN MARTIN Urban Design Landscape Architecture Computer Imaging ORIGINAL ELP PROJECT MANAGER 198-1737 619.236.0143 8/30/2012 NAD83 COORDINATES 755 Broadway Circle, Suite 300 San Diego, California 92101-6161 1838-6298 LAMBERT COORDINATES 619.236.0578 Fax CONTRACTOR 36925-9-D ELP@EstradaLandPlan.com DATE STARTED DATE COMPLETED

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GOMPERS NEIGHBORHOOD PARK CHILDREN'S PLAY AREA UPGRADES CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS - ENGINEERING AND CAPITAL PROJECTS
SHEET 11 OF 18 SHEETS TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_ MEDIUM \_\_\_\_ LOW\_\_\_ SPEC. NO. 5775 was S-11030 CONSULTANT SAMIR MAHMALJI Saww M FOR CITY ENGINEER SECTION HEAD Estrada Land Planning VICKI ESTRADA
No. 1685
Exp. 4/30/2014
Wild Stante BY APPROVED DATE FILMED DEBBIE VAN MARTIN Urban Design Landscape Architecture Computer Imaging ORIGINAL ELP PROJECT MANAGER 619.236.0143 NAD83 COORDINATES 755 Broadway Circle, Suite 300 San Diego, California 92101-6161 619.236.0578 Fax 1838-6298 LAMBERT COORDINATES 36925-11-D ELP@EstradaLandPlan.com DATE STARTED INSPECTOR . DATE COMPLETED



# IRRIGATION LEGEND

MFG. - IRRIGATION COMPONENT DESCRIPTION

•	RAINBIRD	TREE BUBBLER (2 PER TREE)	1400 SERIES-1402				30	.50	SDI-104
$\odot$		RRIGATION SPRAY HEAD / SWING JOINT — REPLA HEAD AND NOZZLE. TEMPORARILY REMOVE HEAI							
(_)	EXISTING II	RRIGATION SPRAY HEAD TO REMAIN							
SYMBOL	IRRIGATION	N COMPONENT DESCRIPTION	MFG./APPROVED EQUAL	MODEL/PART NO.	REMARKS				DETAIL REF.
	EXISTING I	IRRIGATION LATERAL LINE PIPE TO REMAIN — IN PLACE							SEE AS-BUILT PLAN PROJECT NUMBER 22812-3-D
	EXISTING I	IRRIGATION MAINLINETO REMAIN - PROTECT IN		155					SEE AS-BUILT PLAN PROJECT NUMBER 22812-3-D
△	EXISTING	REMOTE VALVE TO REMAIN - PROTECT IN PLACE							SEE AS-BUILT PLAN PROJECT NUMBER 22812-3-D
8	EXISTING	GATE VALVE TO REMAIN - PROTECT IN PLACE							SEE AS-BUILT PLAN PROJECT NUMBER 22812-3-D
0	EXISTING IN PLACE	QUICK COUPLING VALVE TO REMAIN - PROTECT		:					SEE AS-BUILT PLAN PROJECT NUMBER 15590-17-D
[6]	EXISTING	CONTROLLER TO REMAIN	IRRITROL	MC-PLUS	24 STATION CO 18 STATIONS U	ONTROLLER JSED, 6 STATION	NS AVAILAE	BLE	
G.V.	GATE VAL	VE (MANUAL VALVE)	NIBCO	T-113-K		UICK COUPLING REMOTE CONTRO		HE SAME SIZE AS IN MANIFOLD.	SDI-126 SDI-106
<b>A</b>	IRRIGATION	N REMOTE CONTROL VALVE (R.C.V.)	RAINBIRD	100 EFB-CP SERIES 125 EFB-CP SERIES 150 EFB-CP SERIES	1 1/4" ELECTR	. C. V. INSTALL RIC R. C. V. INST RIC R. C. V. INST	TALL IN VA	ALVE BOX	SDI-114 SDI-126
NO SYMBOL	ANTI-DRA	IN / EXCESSIVE FLOW VALVE	VALCON	ADV-XS				RE NEEDED. TO AN ANTI GEYSER	SDI-103
8	IRRIGATION	N LATERAL LINE PIPE (NON-PRESSURE)		SCH. 40 PVC	15" BELOW GRA	ADE ADE WHEREVER	12" POP-L	JPS ARE USED.	SDI-110
=====	IRRIGATION	N PIPE/CONTROL WIRE SLEEVE		SCH. 40 PVC	MIN. 2x DIAM.	OF PIPE BEING	SLEEVED. 1	MIN. 2" FOR	SDI-110, SDI-119, SDI-115

MODEL/PART NO.

NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ANTI-DRAIN VALVES, AS REQUIRED, TO PREVENT LOW HEAD DRAINAGE.

2. S.D.R.S.D. = SAN DIEGO REGIONAL STANDARD DRAWINGS, LATEST EDITION.

IRRIGATION VALVE KEY STATION # → GALLONS PER MINUTE (GPM) - VALVE SIZE

SEE SHEET 12 FOR IRRIGATION LEGEND AND DETAILS.

SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

- CONTRACTOR SHALL VERIFY AND LOCATE EXISTING VALVE MANIFOLDS SPRAY HEADS, LATERAL LINES, MAINLINE AND IRRIGATION WIRES PRIOR TO DEMOLITION AND GRADING OPERATIONS.

PSI GPM

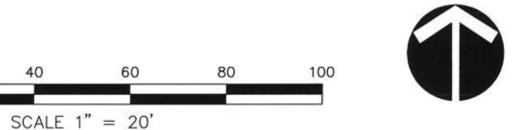
MAX. RAD. PRECIP. RATE

DETAIL REF.

- CONTRACTOR SHALL TEMPORARILY RELOCATE SPRAY HEADS TO AREAS OUTSIDE OF CONSTRUCTION LIMITS AND MAINTAIN ALL SYSTEMS AS FULLY FUNCTIONING TO IRRIGATE EXISTING TURF AREAS.

- CONTRACTOR SHALL ADJUST EXISTING IRRIGATION SYSTEMS TO NEW TURF AREA LIMITS TO PROVIDE 100% COVERAGE.

CITY CONTRACT



IRRIGATION PLAN FOR: GOMPERS NEIGHBORHOOD PARK CHILDREN'S PLAY AREA UPGRADES

L-9

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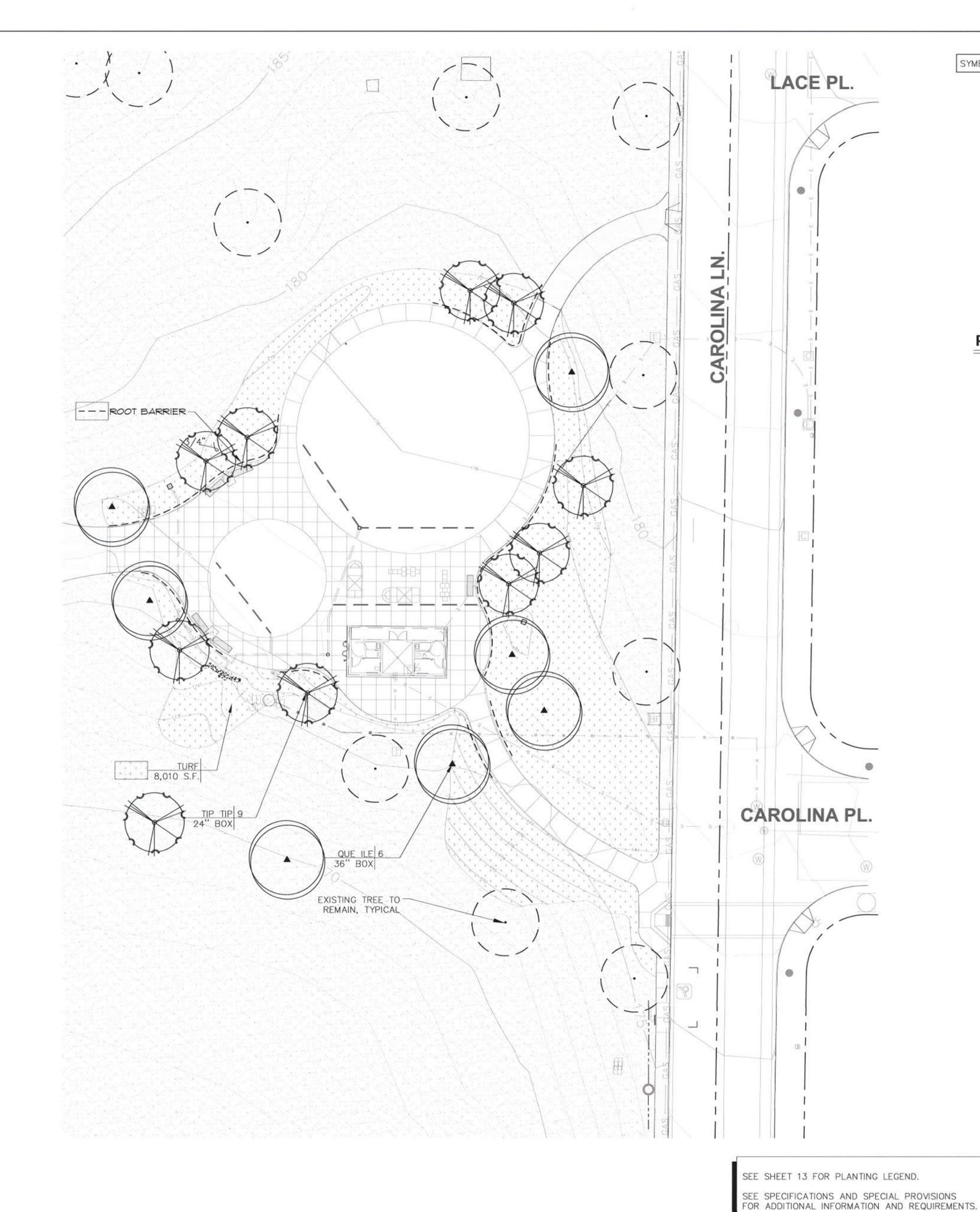
TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_ MEDIUM \_\_\_\_ LOW\_\_\_

619.236.0143 755 Broadway Circle, Suite 300 San Diego, California 92101-6161 619.236.0578 Fax ELP@EstradaLandPlan.com

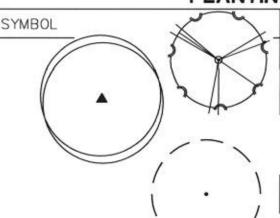
SPEC. NO. 5775 VICKI ESTRADA No. 1685 Exp. 4/30/2014

Nich Strate 8/30/2012

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS - ENGINEERING AND CAPITAL PROJECTS
SHEET 12 OF 18 SHEETS wss S-11030 Sanwill SAMIR MAHMALJI SECTION HEAD FOR CITY ENGINEER BY APPROVED DATE FILMED DEBBIE VAN MARTIN ORIGINAL ELP PROJECT MANAGER 198-1737 NAD83 COORDINATES 1838-6298 LAMBERT COORDINATES CONTRACTOR 36925-12-D DATE STARTED DATE COMPLETED INSPECTOR \_



PLANTING LEGEND



					112	
BOTANICAL NAME	COMMON NAME	ABBREV.	SIZE	COMMENTS	HT. x SP.	DETAIL
TIPUANA TIPU	TIPU TREE	TIP TIP	24" BOX	FULL, VIGOROUS, STANDARD FORM	10' x 5'	SDL-101
QUERCUS ILEX	HOLLY OAK	QUE ILE	36" BOX	FULL, VIGOROUS, STANDARD FORM	12' x 5'	SDL-101

EXISTING TREES EXISTING TREE TO REMAIN (PROTECT IN PLACE)

A / L-10

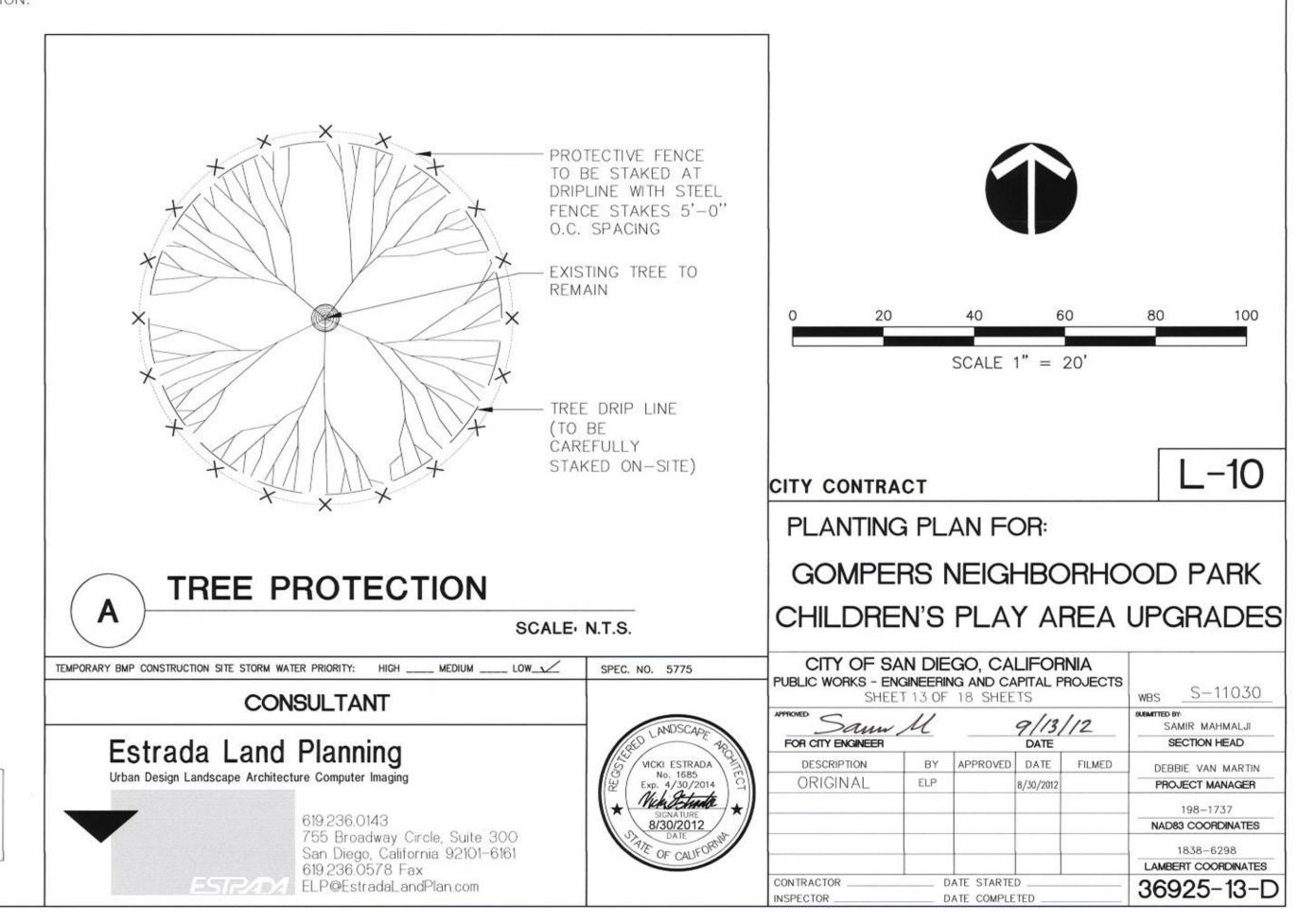
# GROUNDCOVER LEGEND

		5.65	200	22			2012
SYMBOL	BOTANICAL NAME	COMMON NAME	ABBREV.	SIZE	COMMENTS	HT. x SP.	DETAIL
+ + + + + +	TURF	SOD			TYPE TO MATCH EXISTING		
	EXISTING TURF						
	ROOT BARRIER	TYPE PER SPECIFICA	ATIONS		INSTALL CONTINUOUS PER DETA	AIL	SDL-106

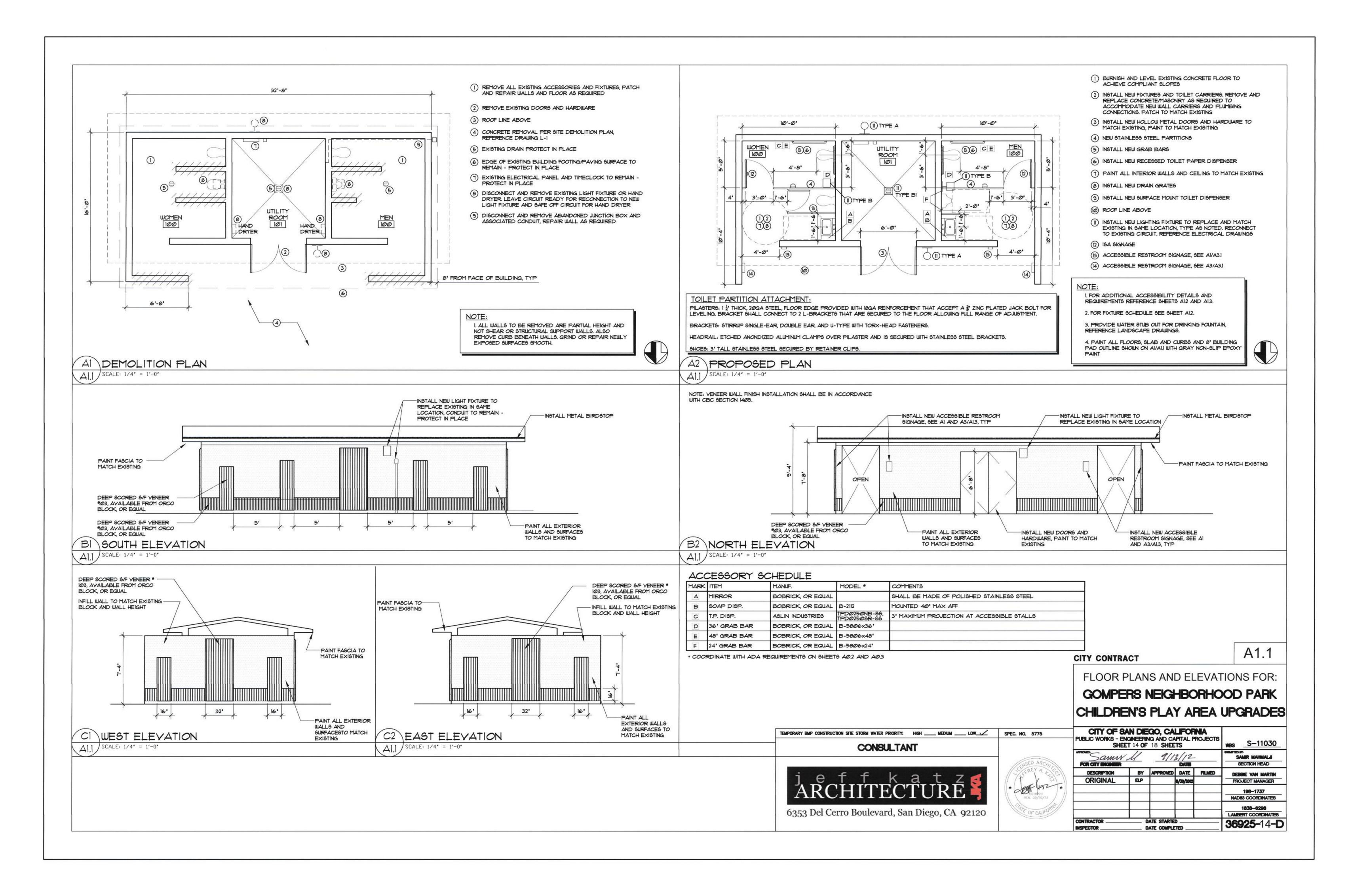
# PLANTING NOTES

ALL LANDSCAPE AND IRRIGATION PLANS SHALL CONFORM WITH THE CITY OF SAN DIEGO LANDSCAPE STANDARDS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- THE PLANTING PLANS ARE DIAGRAMMATIC. MINOR ADJUSTMENTS IN PLANT LOCATIONS, ORIENTATION, AND TYPE MAY BE MADE AT THE DISCRETION OF THE RESIDENT ENGINEER IN CONSULTATION WITH THE LANDSCAPE ARCHITECT.
- 2. ALL PLANTING AREAS EXCEPT LAWN AREAS SHALL BE COVERED WITH A MINIMUM OF 3 INCHES OF BARK MULCH.
- 3. THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE OTHER TRADES AND MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION.
- 4. THE RESIDENT ENGINEER WILL APPROVE FINAL PLACEMENT AND ORIENTATION OF ALL TREES AND SHRUBS PRIOR TO PLANTING.
- 5. ALL PLANTS PLANTED FROM CONTAINERS SHALL HAVE THEIR ROOTBALLS SCORED WITH A SHARP TOOL TO A DEPTH OF ONE INCH (1") IN THREE LONGITUDINAL INCISIONS AT LOCATIONS EQUALLY SPACED AROUND THE ROOTBALL BEFORE PLACING PLANT IN HOLE.
- 6. THE CONTRACTOR SHALL ENSURE THAT PLANTING AREAS RECEIVE PLANTING MATERIAL AS SHOWN ON PLANS.
- 7. CONTRACTOR SHALL REPLACE IN-KIND ANY EXISTING PLANT MATERIAL DAMAGED DURING CONSTRUCTION.



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### CLEAR FLOOR SPACE FOR WHEELCHAIRS

- MINIMUM CLEAR FLOOR OR GROUND SPACE REQUIRED TO ACCOMMODATE A SINGLE, STATIONARY WHEELCHAIR AND OCCUPANT IS 30 INCHES X 48 INCHES. MINIMUM CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE POSITIONED FOR FORWARD OR PARALLEL APPROACH TO AN OBJECT. FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE PART OF THE KNEE SPACE REQUIRED UNDER SOME OBJECTS.
- PROVIDE AN ADDITIONAL 12 INCHES WIDTH ON ONE SIDE FOR ALCOVES GREATER THAN 15 INCHES DEEP AND DESIGNED FOR SIDE APPROACH.
- PROVIDE AN ADDITIONAL 6 INCHES WIDTH ON ONE SIDE FOR ALCOVES GREATER THAN 24 INCHES DEEP AND DESIGNED FOR FRONT APPROACH.

### HAZARDS AND PROTRUDING OBJECTS

- 1. OBJECTS PROJECTING FROM WALLS WITH THEIR LEADING EDGES BETWEEN 27 INCHES AND 80 INCHES ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4 INCHES INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES.
- 2. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27 INCHES ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT.
- 3. FREE-STANDING OBJECTS MOUNTED ON POSTS / PYLONS MAY OVERHANG 12 INCHES MAXIMUM FROM 27 INCHES TO 80 INCHES ABOVE THE GROUND OR FINISHED FLOOR.
- 4. PROTRUDING OBJECTS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE.
- ANY OBSTRUCTION OVERHANGING A PEDESTRIAN WAY SHALL BE A MINIMUM OF 80 INCHES ABOVE THE WALKING SURFACE AS MEASURED TO THE BOTTOM OF THE

# **ENTRANCES AND DOORS**

ACCESSIBILITY NOTE

- 1. ALL PRIMARY ENTRANCES AND EXTERIOR GROUND FLOOR EXIT DOORS TO BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED.
- 2. ALL ACCESSIBLE ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS.
- 3. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 36 INCHES IN WIDTH, AND NOT LESS THAN 80 INCHES IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE MOUNTED SO THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32 INCHES.
- 4. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL. SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE. PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
- 5. LEVER HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44 INCHES MAXIMUM ABOVE THE FLOOR AND NOT REQUIRE MORE THAN 5 POUNDS OF FORCE TO OPERATE.
- 6. THE FLOOR OR LANDING LENGTH ON EACH SIDE OF AN ENTRANCE OR A PASSAGE DOOR SHALL BE LEVEL AND CLEAR AT LEAST 60 INCHES IN THE DIRECTION OF THE DOOR SWING AND AT LEAST 48 INCHES OPPOSITE THE DIRECTION OF THE DOOR SWING AS MEASURED AT RIGHT ANGLES TO THE FACE OF THE DOOR IN THE CLOSED POSITION. THE WIDTH OF THE LEVEL AND CLEAR AREA ON THE SIDE WHICH THE DOOR SWINGS SHALL EXTEND A MINIMUM OF 24 INCHES PAST THE STRIKE EDGE OF THE DOOR FOR DOORS WITH LATCH SIDE APPROACH AND 36 INCHES FOR DOORS REQUIRING HINGE SIDE APPROACH. REFER TO DETAIL NO. 7 ON THIS DRAWING FOR ADDITIONAL CLEARANCE REQUIREMENTS.
- 7. THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGES IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE LEVELED WITH A SLOPE NO GREATER THAN 1:2.
- THE BOTTOM 10 INCHES OF ALL DOORS (EXCEPT AUTOMATIC AND SLIDING) SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION WHERE NARROW FRAME DOORS ARE USED, A 10 INCH HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST. SURFACES ALONG THIS AREA MUST BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER. CAVITITES CREATED BY KICK PLATES MUST

- 9. THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS. FOR EXTERIOR DOORS AND 5 LBS. FOR INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS, WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY NOT EXCEED 15 LBS.
- 10. DOOR CLOSERS REQUIRE AT LEAST 5 SECONDS TO CLOSE FROM AN OPEN POSITION OF 90 DEGREES TO 12 DEGREES FROM THE LATCH
- 11. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE SIGN WITH THE WORD "EXIT". EACH EXIT DOOR THAT LEADS DIRECTLY TO GRADE-LEVEL EXTERIOR EXIT BY MEANS OF STAIRWAY OR RAMP IS IDENTIFIED BY A TACTILE SIGN THAT STATES "EXIT STAIR DOWN," "EXIT RAMP DOWN," "EXIT STAIR UP," OR "EXIT RAMP UP" AS APPROPRIATE, EACH EXIT DOOR THAT LEADS DIRECTLY TO GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR EXIT PASSAGEWAY IS IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE". EACH ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN IS IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE". EACH DOOR THROUGH AN HORIZONTAL EXIT IS IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "TO EXIT".
- 12. VISION LIGHTS MUST HAVE BOTTOM OF AT LEAST ONE GLAZED PANEL LOCATED WITHIN 43" MAX. ABOVE FLOOR FINISH.

### SANITARY FACILITIES (GENERAL)

- 1. ALL DOORWAYS LEADING TO SANITARY FACILITIES SHALL HAVE 32 INCH CLEAR, UNOBSTRUCTED OPENINGS.
- 2. ALL SINKS, FAUCET CONTROLS, AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. LEVER-OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
- LAVATORIES SHALL BE MOUNTED WITH A MINIMUM DISTANCE OF 18 INCHES FROM A WALL OR PARTITION TO THE CENTER OF THE FIXTURE. ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM AND/OR COUNTER SURFACE NO HIGHER THAN 34 INCHES ABOVE THE FLOOR.

# TOILET ROOM FIXTURES AND ACCESSORIES

- THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17 INCHES AND A MAXIMUM OF 19 INCHES MEASURED TO THE TOP OF THE TOILET SEAT.
- 2. PROVIDE 18" FROM THE CENTERLINE OF THE WATER CLOSET TO THE ADJACENT WALL.
- TOILET AND URINAL FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE OPEN (WIDE) SIDE OF THE TOILET STALL, NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS.
- WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR SPACE 30 INCHES WIDE BY 48 INCHES LONG IN FRONT OF THE URINAL. AT LEAST ONE URINAL WITH 14" MIN. TO 17 INCHES MAX. RIM PROJECTION FROM THE WALL AND A MAXIMUM OF 17 INCHES ABOVE THE FLOOR SHALL BE INSTALLED.
- AMBULATORY STALLS ARE REQUIRED WHERE 6 OR MORE STALLS ARE PROVIDED WITHIN A MULTIPLE ACCOMODATION TOILET ROOM. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL BE 60 INCHES DEEP MIN. AND 36 INCHES WIDE. COMPARTMENT DOORS SHALL NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA.
- A CLEAR FLOOR SPACE 30 INCHES WIDE BY 48 INCHES LONG SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW FORWARD APPROACH. SUCH CLEAR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND INTO KNEE AND TOE SPACE UNDERNEATH LAVATORY.
- LAVATORIES SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 29 INCHES FROM THE FLOOR TO THE BOTTOM OF THE APRON WITH 27" MINIMUM KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30 INCHES IN WIDTH WITH 8 INCHES MINIMUM DEPTH AT THE TOP. TOE CLEARANCE SHALL BE SAME WIDTH AND A MINIMUM OF 9 INCHES HIGH FROM THE FLOOR AND A MINIMUM OF 17 INCHES DEEP FROM THE FRONT OF THE LAVATORY.
- HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
- MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL HAVE BOTTOM OF REFLECTIVE SURFACE 40" MAX. ABOVE FINISHED FLOOR; MIRRORS MOUNTED ELSEWHERE SHALL HAVE BOTTOM EDGE OF REFLECTIVE SURFACE 35" MAX. ABOVE FINISHED FLOOR, TOP EDGE OF MIRRORS SHOULD BE 74" MINIMUM HIGH TO BE USEABLE BY AMBULATORY PEOPLE
- 10. LOCATE PAPER TOWEL DISPENSERS, SANITARY NAPKIN DISPENSERS, AND WASTE RECEPTACLES WITH ALL OPERABLE PARTS NOT MORE THAN 40 INCHES FROM THE FLOOR.
- 11. LOCATE TOILET TISSUE DISPENSERS ON THE WALL 7-9 INCHES FROM THE FRONT OF THE 4. INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY WATER CLOSET TO THE CENTERLINE OF THE DISPENSER, AND 36" MAX FROM REAR WALL TO
- 12. DOORS CANNOT SWING INTO THE REQUIRED CLEAR FLOOR SPACE AT ANY FIXTURE.
- 13. CLEARANCE AROUND WATER CLOSET SHALL BE 60 INCHES WIDE x 56 INCHES DEEP, NO OTHER FIXTURES CAN BE LOCATED WITHIN THIS AREA.

# MULTIPLE ACCOMMODATION TOILET ROOMS

- A CLEAR SPACE, MEASURED FROM THE FLOOR TO A HEIGHT OF 27 INCHES ABOVE THE FLOOR, WITHIN THE SANITARY FACILITY ROOM, OF SUFFICIENT SIZE TO INSCRIBE A CIRCLE OF A DIAMETER NOT LESS THAN 60 INCHES, OR A CLEAR SPACE NOT LESS THAN 56 INCHES X 63 INCHES IN SIZE SHALL BE PROVIDED.
  - AN ACCESSIBLE INDIVIDUAL TOILET STALL SHALL PROVIDE AT LEAST 28 INCHES CLEAR SPACE FROM A FIXTURE OR 32 INCHES CLEAR SPACE FROM A WALL AT ONE SIDE OF THE WATER CLOSET. A 48 INCH LONG CLEAR SPACE IN FRONT OF WATER CLOSET SHALL BE PROVIDED IF THE COMPARTMENT HAS AN END OPENING DOOR (FACING THE WATER CLOSET). A 60 INCH LONG CLEAR SPACE SHALL BE PROVIDED IN COMPARTMENT WHEN DOOR IS LOCATED AT THE SIDE. GRAB BARS SHALL NOT PROJECT MORE THAN 3 INCHES INTO CLEAR SPACE SPECIFIED ABOVE.
- WATER CLOSET COMPARTMENT SHALL BE EQUIPPED WITH DOOR THAT HAS AN AUTOMATIC CLOSING DEVICE, AND A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END, AND 34 INCHES WHEN LOCATED AT SIDE, WHEN THE DOOR IS POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- 4. EXCEPT FOR DOOR OPENINGS, A CLEAR UNOBSTRUCTED ACCESS NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO ALL WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY THE DISABLED. THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL BE NOT LESS THAN 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE COMPARTMENT DOOR IN ITS CLOSED POSITION.
- 5. THE WATER CLOSET AND DOOR MANEUVERING CLEARANCE CANNOT OVERLAP IN THE ACCESSIBLE STALL.
- 6. STALL DOORS TO BE HINGED 4" MAXIMUM OPPOSITE THE WATER CLOSET FOR FRONT OR SIDE OPENING DOORS.
- STALL DOORS CANNOT SWING INTO THE REQUIRED CLEAR AREA AT THE WATER CLOSET.
- TOILET STALL DOORS SHALL BE SELF-CLOSING.

NOT BE LESS THAN 36 INCHES LONG.

- 9. A DOOR PULL SHALL BE PLACED ON BOTH SIDES OF THE DOOR BELOW THE HATCH.
- 1. GRAB BARS SHALL BE LOCATED ON ONE SIDE AND THE BACK OF THE PHYSICALLY DISABLED TOILET STALL OR COMPARTMENT AND SHALL BE SECURELY ATTACHED 33 INCHES ABOVE AND PARALLEL TO THE FLOOR TO CENTERLINE.
- 2. GRAB BARS AT THE SIDE SHALL BE AT LEAST 42 INCHES LONG WITH THE FRONT END POSITIONED 54 INCHES FROM THE BACK OF THE STALL, GRAB BARS AT THE BACK SHALL
- THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4 INCHES MIN. AND 1 1/2 INCHES MAX. OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF THE GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS SHALL BE 1-1/2 INCHES.
- GRAB BARS, AND ANY WALL OR OTHER SURFACE ADJACENT TO IT, SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. GRAB BAR EDGES SHALL HAVE A MIN. RADIUS OF 1/8 INCH.
- GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- GRAB BARS SHALL BE DESIGNED TO SUPPORT A 250 POUND FORCE.
- NO OBJECT TO BE MOUNTED WITHIN 1 1/2" BELOW OR 12" ABOVE ANY GRAB BAR.

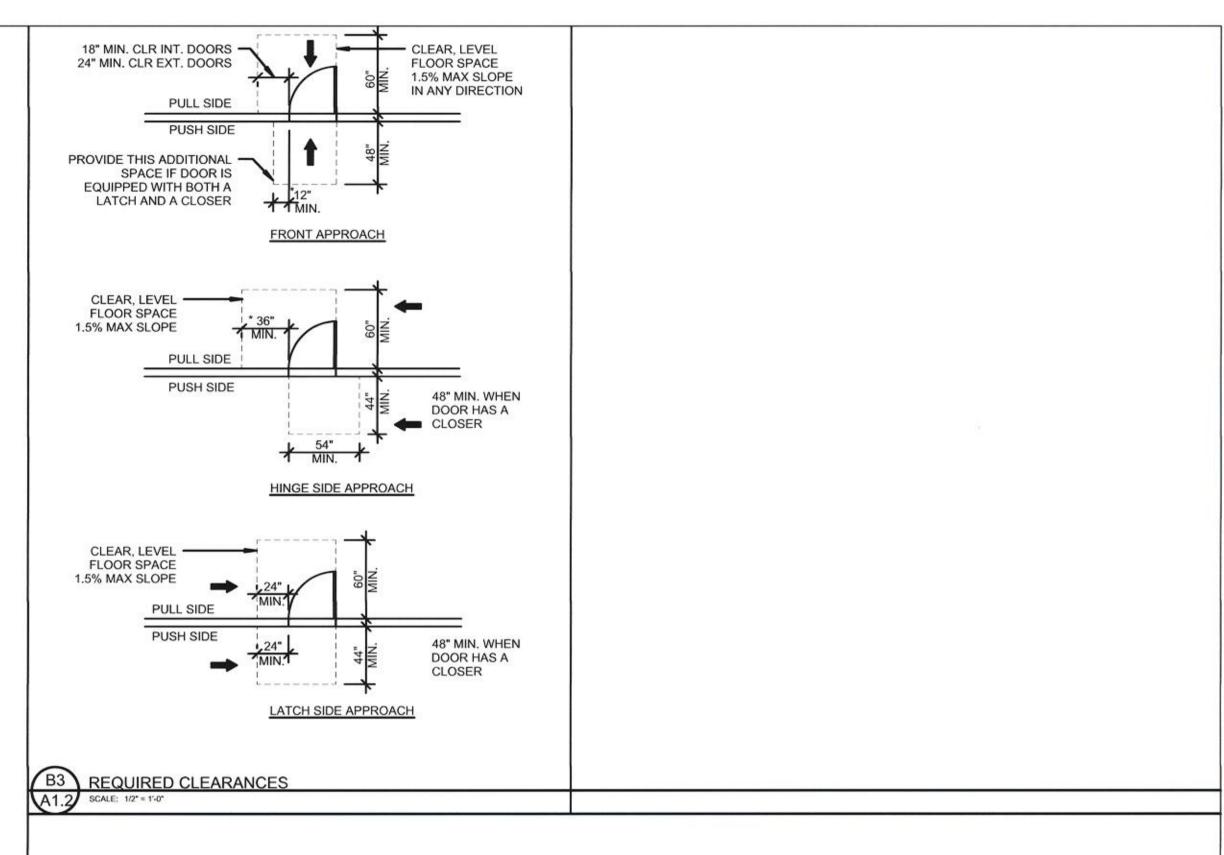
- TACTILE ROOM IDENTIFICATION SIGNS TO BE MOUNTED 60 INCHES ABOVE FINISHED FLOOR TO CENTERLINE.
- BASELINE OF THE HIGHEST CHARACTER TO BE 60 INCHES MAXIMUM AND BASELINE OF THE LOWEST CHARACTER TO BE 48 INCHES MINIMUM ABOVE FINISHED FLOOR.
- TACTILE ROOM IDENTIFICATION SIGNS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN. X 18" MIN. CENTERED ON SIGN IS PROVIDED BEYOND THE ARC OF ANY DOOR

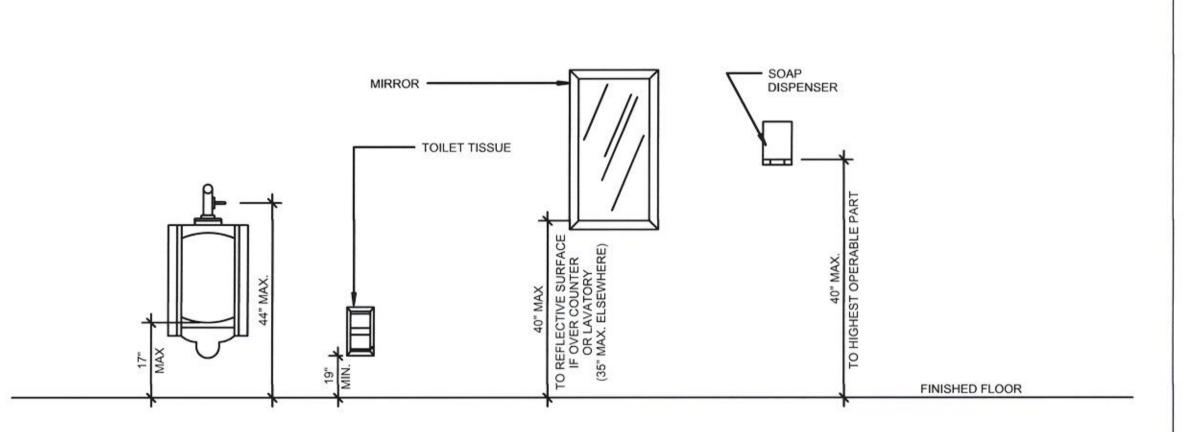
# ADDITIONAL REQUIREMENTS

- THE HIGHEST OPERABLE PART OF RECEPTACLE OUTLETS SHALL BE NOT LESS THAN 15 INCHES ABOVE THE FLOOR OR WORKING PLATFORM.
- THE TOP OF THE BOX OF THE OPERATING HANDLE OF SWITCHES INTENDED TO BE USED BY OCCUPANTS OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE 48 INCHES MAXIMUM ABOVE THE FLOOR OR WORKING PLATFORM
- 48 INCHES ABOVE THE LEVEL OF THE ADJACENT FLOOR, WORKING PLATFORM, GROUND SURFACE, OR SIDEWALK.

HIGHEST OPPERABLE PART OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED

- FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS. THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595A.
- 5. ALL CONTROLS TO BE 15" MIN. TO 48" MAX., REGARDLESS OF APPROACH.
- ACCESSIBLE PORTIONS OF SERVICE COUNTERS TO BE 28"-34" HIGH, 36" MIN. WIDE AND MUST EXTEND THE SAME DEPTH AS THE ADJACENT COUNTERSPACE.





D3 MOUNTING HEIGHT REQUIREMENTS

# FIXTURE CONNECTION SCHEDULE

						7	TIL GOTTILGIT GOTTLEGEL
SYMBOL	DESCRIPTION		PIPE	SIZES (IN	ICHES)		DEMARKS
STMBOL	DESCRIPTION	CM	HM	М	V	TRAP	REMARKS
MC-1	WATER CLOSET	1 1/2		4	2	INT	ACORN DURA-WARE #2105-W-I-CN, WALL MOUNTED, STAINLESS STEEL, ELONGATED BOWL, SIPHON JET, WITH CONCEALED FLUSH VALVE SLOAN #611,1.6 GPF FLUSH VALVE, WITH INTEGRAL CONTOURED TOILET SEAT.
MC-2	WATER CLOSET (ADA)	1 1/2		4	2	INT	ACORN DURA-WARE #2105-W-I-CN, WALL MOUNTED, STAINLESS STEEL, ELONGATED BOWL, SIPHON JET, WITH CONCEALED FLUSH VALVE SLOAN #611,1.6 GPF FLUSH VALVE, WITH INTEGRAL CONTOURED TOILET SEAT.
<u>U-2</u>	URINAL (ADA)	3/4		2	1 1/2	INT	ACORN DURA-WARE #2158-W-1-FV, WALL MOUNTED, STAINLESS STEEL, WASHOUT, WITH CONCEALED FLUSH VALVE SLOAN #613-1, 1.0 GPF, BEEHIVE STRAINER. HUNG FOR ADA ACCESS.
<u>L-I</u>	LAVATORY (ADA)	1/2	1/2	2	1 1/2	1 1/4	ACORN DURA-WARE #1953LC-ADA-1-DMS, SINGLE HOLE, CHICAGO METERING FAUCET #333-665PSHABCP, P-TRAP, ANGLE STOPS, FLEXIBLE SUPPLIES, PRE-MOLDED INSULATION ON PIPES AND VALVES EXPOSED BELOW BOWL.

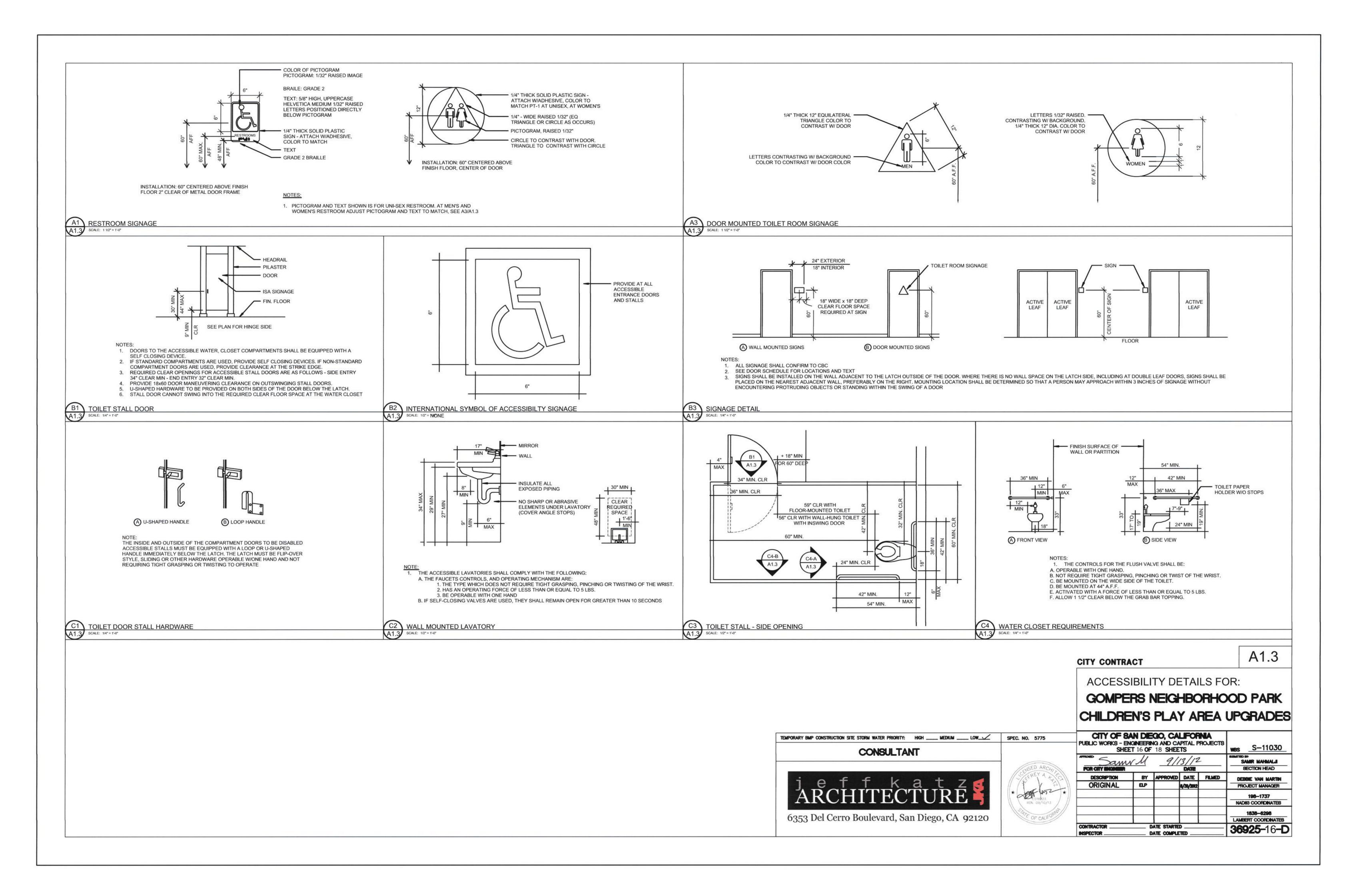
CITY CONTRACT

ACCESSIBILITY DETAILS / SCHEDULE

GOMPERS NEIGHBORHOOD PARK CHILDREN'S PLAY AREA UPGRADES

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_ MEDIUM \_\_\_\_ LOW\_\_\_ SPEC. NO. 57 CONSULTANT 6353 Del Cerro Boulevard, San Diego, CA 92120

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10 document this des specifications submit!  Name  KURT WITTMAN  Company  MACDONALD ENGAL  Address  2385 CAMINO VIDA  City/State/Zip  CARLSBAD, CA 920  Lighting Mandatory Measures Indicate location on building plans of  LIGHTING COMPLIANCE For detailed instructions on the use of by the California Energy Commission  LTG-1C Pages 1 through 4  LTG-2C  LTG-3C  LTG-4C Pages 1 through 4	ign on the other applited to the enforcement ted th	te Blook: ETS (cliency State) Epilance. Credit Wower Allo Workshee k Lightin	the of Compliance compliance compliance forms, ncy for approval where the compliance forms and ards compliance for an ards ards compliance for an ards are required on orksheet wance est.	are consis, worksher ith this but Signature  Phone  License #  Date  ksheets is ms; please plans for all	stent with the ets, calculation of the color	application.

roject OMF	Name PERS PARK RENOVATIONS						Dat	e /5/20	112	
	OR LIGHTING SCHEDULE and FIELD	INSPECTIO	N ENER	GY CH	ECKLI	ST	34	0/20	12	
				011 011	LOILE		spector	-	_	
West of the second	ation Certificate, LTG-1-INST (Retain a copy and renity			\$1765	28			7		
A sepa	cate of Acceptance, LTG-2A and LTG-3A (Retain a corrate Lighting Schedule Must Be Filled Out for Condition Inting Schedule is only for:	py and verify form ned and Uncond	is completed tioned Spac	and signs ces Instal	d.) led Light		spector listed or			
	CONDITIONED SPACE	Ø U	NCONDITIO	NED SP	ACE					
Ø	The actual indoor lighting power listed below include with § 146(a).			100000000000000000000000000000000000000				190.100.000		
Ø	calculation of actual indoor lighting power density in 0.2 watts per square foot is totaled below.	to the first 0.2 watts per square foot of portable lighting shall not be required to be included indoor lighting power density in accordance with the Exception to §146(a). All portable foot is totaled below.							ss of	
	Luminaire (Type, Lamps, Ballasts)			Ins	talled W	atts				
A	8	С	D		E	F	G		н	
					rattage termined			property and	iald ector <sup>2</sup>	
None or Item Tag	Complete Luminaire Description (e. 3 lamp fluorescent troffer, F32TB, one dimmable electronic ballasts)		Watts per Luminaire	CEC Default From NAS	According To §130 (d or e)	Number of Luminaires	Installed Watts (D X F)	Pass	Fall	
В	(2) 13w Compact Fluorescent Twin 4 Pin Elec		34.6			2	68			
61	(2) 13w Compact Fluorescent Twin 4 Pin Elec		34.0			1	34			
		_								
						-				
				0		-		0		
								0	0	
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								<u> </u>	-	
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								0	-	
_				0				0	0	
	1		T-	stalled W		n Total	102	_		
	Building total number of pages:		Inst	alled Wa (S	tts Buildin Sum of all	ng Total pages)	102			
2. If Fail	ige shall be determined abcording to Section 130 (d and e). Withen describe on Page 2 of the Inspection Checklist Form and Pro 5.1 by EnergySoft User Number: 6384 RainC	Vattage shall be rail d take appropriate Dode: 2012-09-051	ing of light lix action to con	ture, not rect. Verify	ating of bu	it).	essary.	oge 2	of 11	

CERTIFICATE OF COMPLIANC Project Name	-	(Part 3	014)	Date	G-1C
GOMPERS PARK RENOVATIONS				170,000	2012
INDOOR LIGHTING SCHEDULE and FIELD	INSPECTIO	ON ENERGY CHECKLIST		1	
Fill in controls for all spaces: a) area controls, b) ma automatic daylighting controls for daylit areas > 2,5 general lighting controlled separately from display, controls for retail stores > 50,000 ft*, in accordance	00 ft <sup>-</sup> , d) shu ornamental a	t-off controls, e) display lighting contro and display case lighting and g) demar	ols, 1) tailored li	ghting co	ntrols -
MANDATORY LIGHTING CONTROLS - FIEI	_D INSPEC	TION ENERGY CHECKLIST			eld
Type/ Description	Number of Units	Location in Building	Special Features	Pass	ector Fail
					D
The state of the s					
SPECIAL FEATURES INSPECTION CHECK The local enforcement agency should pay special a ustification and documentation, and special verifica and may reject a building or design that otherwise o submitted.	attention to the	e items specified in this checklist. The all enforcement agency determines th	e adequacy of	the justific	cation,
Field Inspector's Notes or Discrepancies:					
EnergyPro 5.1 by EnergySoft User Number: 6384	RunCode:	2012-09-057f1:14-03 ID:		Pag	re 3 of 11

Installed Lighting				
(from Conditioned LTG-1C, Page	2)	o In	stalled Lighting om Unconditioned LTG-1C, Page 2)	102
Lighting Control Credit Conditioned Spaces (from LTG-2	-	o Li	ghting Control Credit aconditioned Spaces (from LTG-2C)	- 0
Adjusted Installed	=	o A	djusted Installed	= 102
Complies if Installed ≤ Allow	ved		omplies if Installed ≤ Allowed	1
Allowed Lighting Power Conditioned Spaces (from LT	G-3C or PERF-1)		lowed Lighting Power nconditioned Spaces (from LTG-3C)	193
Reference Appendices Manu- responsible party to budget for Enforcement Agency Systems Acceptance. Before system with controls is installed The LTG-2A and LTG-3A for the boxes are checked and/or agency that certifies plans, sp	al describes the test. Since or the scope of work appro- y: e Occupancy Permit is gra- ed in the building or space rms are not considered con- r filled and signed. In add pecifications, installation of	e this form will be priately. Forms canned for a newly of e shall be certified inton, a Certificate ertificates, and ope	NA7 Section in the Appendix of the N part of the plans, completion of this so an be grouped by type of Luminairo constructed building or space or when as meeting the Acceptance Requirement of the beaccepted by the enforce of Acceptance forms shall be submitterating and maintenance information is erly filled out and signed forms before	ection will allow the econtrolled.  If ever new lighting ments, ement agency unless led to the enforcement meet the requirements.
receive final occupancy. A co	opy of the LTG-2A and LT records.	G-3A for each diff	erent lighting luminaire control(s) mus	st be provided to the
receive final occupancy. A co owner of the building for their	opy of the LTG-2A and LT records.		erent lighting luminaire control(s) mus	LTG-2A and LTG-3A Controls and Sensors and Automatic Daylighting Controls
receive final occupancy. A co	opy of the LTG-2A and LT records.  Luminaire	s Controlled  Number of Luminaire	erent lighting luminaire control(s) mus	LTG-2A and LTG-3A Controls and Sensors and
receive final occupancy. A co owner of the building for their	opy of the LTG-2A and LT records.  Luminaire	s Controlled  Number of Luminaire	erent lighting luminaire control(s) mus	LTG-2A and LTG-3A Controls and Sensors and Automatic Daylighting Controls Acceptance
receive final occupancy. A co owner of the building for their	opy of the LTG-2A and LT records.  Luminaire	s Controlled  Number of Luminaire	erent lighting luminaire control(s) mus	LTG-2A and LTG-3A Controls and Sensors and Automatic Daylighting Controls Acceptance
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receive final occupancy. A co owner of the building for their	opy of the LTG-2A and LT records.  Luminaire	s Controlled  Number of Luminaire	erent lighting luminaire control(s) mus	LTG-2A and LTG-3A Controls and Sensors and Automatic Daylighting Controls Acceptance
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receive final occupancy. A co owner of the building for their	opy of the LTG-2A and LT records.  Luminaire	s Controlled  Number of Luminaire	erent lighting luminaire control(s) mus	LTG-2A and LTG-3A Controls and Sensors and Automatic Daylighting Controls Acceptance
receive final occupancy. A co owner of the building for their	opy of the LTG-2A and LT records.  Luminaire	s Controlled  Number of Luminaire	erent lighting luminaire control(s) mus	LTG-2A and LTG-3A Controls and Sensors and Automatic Daylighting Controls Acceptance
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receive final occupancy. A co owner of the building for their	opy of the LTG-2A and LT records.  Luminaire	s Controlled  Number of Luminaire	erent lighting luminaire control(s) mus	LTG-2A and LTG-3A Controls and Sensors and Automatic Daylighting Controls Acceptance

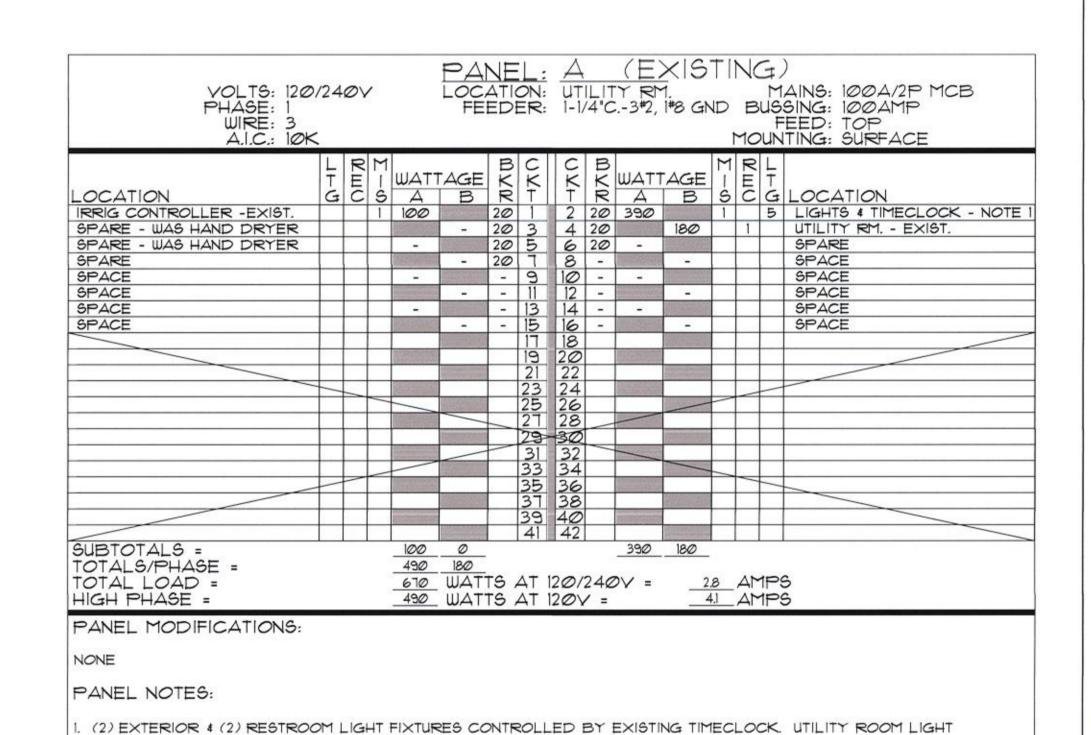
CONDITIONED AND UNCONDITIONED SPACE LIGHTING MUST NOT BE COMBINED FOR COMPLIANCE
Indoor Lighting Power for Conditioned Spaces
Indoor Lighting Power for Unconditioned Spaces

(Part 4 of 4) LTG-1C

CERTIFICATE OF COMPLIANCE

GOMPERS PARK RENOVATIONS

FIXI	URE		CATALOG				LAMP	
TYPE	SYM.	MANUF.	NO.	W	VOLTS	MTG.	TYPE	REMARKS
А	$\mapsto$	COOPER LIGHTING	CF-WP-PL-84-E- TR/WP	94	120	WALL SURFACE	(2) - 42W CF	SURFACE MOUNTED 2 LAMP FLUORESCENT WET LOCATION WALL PACK FIXTURE WITH POLYCARBONATE LENS ELECTRONIC BALLAST & TAMPER FASTENERS
В	Н	KENALL	H1212FL-C-13-2-	34	120	WALL SURFACE	(2) - 13W TT	SURFACE MOUNTED 2 LAMP FLUORESCENT WET LOCATION FIXTURE WITH POLYCARBONATE LENS, ELECTRONIC BALLAST & TAMPER FASTENERS
ВІ		KENALL	H1212FL-C-13-2- DV-AL	34	120	CEILING SURFACE	(2) - 13W TT	SAME AS TYPE "B" WITH EXTENSION BACK PLATE FOR CEILING SURFACE MOUNTING



E-1

ELECTRICAL SCHEDULES FOR:

GOMPERS NEIGHBORHOOD PARK
CHILDREN'S PLAY AREA UPGRADES

MPORA	RY BMP CONSTRUCTION SITE STORM WAT	ER PRIORITY: HIGH MEDIUM LOW	SPEC. NO. 5775	
	CON	SULTANT		F
	Estrada Land Urban Design Landscape Archite		No. 16369	
	ESTRADA	619.236.0143 755 Broadway Circle, Suite 300 San Diego, California 92101-6161 619.236.0578 Fax ELP @EstradaLandPlan.com	06-30-13 VALECTRICE OF CALLE	

FIXTURE CONTROLLED BY EXISTING SWITCH.

PUBLIC WORKS - ENC SHEET		18 SHEE			wbs _S-11030
Same.	4	9/1	3/12		SAMIR MAHMALJI SECTION HEAD
FOR CITY ENGINEER		1	DATE		SECTION HEAD
DESCRIPTION	BY	APPROVED	DATE	FILMED	DEBBIE VAN MARTIN
ORIGINAL	ELP		8/30/2012		PROJECT MANAGER
					198-1737
					NAD83 COORDINATES
					1838-6298
					LAMBERT COORDINATES

INDOOR LIGHTING POWER ALLOWANCE					LTG-3
Project Name GOMPERS PARK RENOVATIONS					9/5/201
ALLOWED LIGHTING POWER (Chose One Method)  A Separate LTG-3C must be filled out for Conditioned and Unconditione	vd Snanes Indone Lie	htino	Power Allowance	e liet	ad on this
page are only for:  CONDITIONED SPACES  UNCONDITION	2/4	ji iui g	1 Owel Allowalide	o nou	od On tino
COMPLETE BUILDING METHOD	WATTS	_	COMPLETE		ALLOWE
BUILDING CATEGORY (From §146 Table 146-E)	PER (ft²)	Х	BLDG. AREA	=	WATTS
		+			
		-			
		-			
		-			
	TOTALS		AREA		WATTS
AREA CATEGORY METHOD		_	AREA		
BUILDING CATEGORY (From §146 Table 146-F)	PER (ft²)	x	Area ft <sup>2</sup>	=	WATTS
Corridor/Restroom/Support	0.60	+	321		
		-			
		1			
		1			
	TOTALS	1	321		
	44,444		AREA	, ,	WATTS
TAILORED METHOD	Mathad takan dan 17		C/Dans Lef () De		
Total Allowed Watts using the Tailored I  The indoor lighting power allowance using the Tailored Method of compliance sha					erate set of L
4C forms shall be filled out for CONDITIONED and UNCONDITIONED spaces  EnergyPro 5.1 by EnergySoft User Number: 6384 RunCode: 2012-09-			G-40 301 01 1011113. 7	1 0000	Page 5 of
CERTIFICATE OF COMPLIANCE		(Pa	rt 3 of 4)	0	LTG-10
		1		Date	0/5/2012
Project Name				5	/3/2012
GOMPERS PARK RENOVATIONS  A. OUTDOOR LIGHTING ZONE					
GOMPERS PARK RENOVATIONS  A. OUTDOOR LIGHTING ZONE  OUTDOOR LIGHTING ZONE:  OLZ 1 OLZ 2		ПА	OLZ 4		
GOMPERS PARK RENOVATIONS  A. OUTDOOR LIGHTING ZONE  OUTDOOR LIGHTING ZONE: OLZ 1 OLZ 2  Is the Outdoor Lighting Zone: Default in accordance with	§10-114, or		mended by JHA	de er e	
GOMPERS PARK RENOVATIONS  A. OUTDOOR LIGHTING ZONE  OUTDOOR LIGHTING ZONE: OLZ 1 OLZ 2  Is the Outdoor Lighting Zone: Default in accordance with  Complete the information below if the default Outdoor Lighting Zone has (JHA):	§10-114, or		mended by JHA	ving a	authority
GOMPERS PARK RENOVATIONS  A. OUTDOOR LIGHTING ZONE  OUTDOOR LIGHTING ZONE: OLZ 1 OLZ 2  Is the Outdoor Lighting Zone: Default in accordance with  Complete the information below if the default Outdoor Lighting Zone has	§10-114, or as been amended by diffe preserve, or port	the lo	cal jurisdiction have ereof, and has be	8	60 NO.
GOMPERS PARK RENOVATIONS  A. OUTDOOR LIGHTING ZONE  OUTDOOR LIGHTING ZONE: □ OLZ 1 □ OLZ 2  Is the Outdoor Lighting Zone: ☑ Default in accordance with  Complete the information below if the default Outdoor Lighting Zone has (JHA):  □ The site is a government designated park, recreational area, wilk LZ2 or LZ3, in accordance with Table 10-114-A, because the site  □ The local jurisdiction having authority has officially adopted a characteristic part of the control of	§10-114, or as been amended by diffe preserve, or port e is contained within a ange to the State Def	the lo	cal jurisdiction has ereof, and has be a zone. ighting Zone and	en de	signated as
A. OUTDOOR LIGHTING ZONE  OUTDOOR LIGHTING ZONE:  OLZ 1  OLZ 2  Is the Outdoor Lighting Zone:  Default in accordance with  Complete the information below if the default Outdoor Lighting Zone ha (JHA):  The site is a government designated park, recreational area, wilk  LZ2 or LZ3, in accordance with Table 10-114-A, because the site  The local jurisdiction having authority has officially adopted a characteristic property of the complete site of the	§10-114, or as been amended by diffe preserve, or port e is contained within ange to the State Def 114(d) to the Executiv	the lo	cal jurisdiction has ereof, and has be a zone. ighting Zone and	en de	signated as
A. OUTDOOR LIGHTING ZONE  OUTDOOR LIGHTING ZONE:  OUTDOOR LIGHTING ZONE:  Is the Outdoor Lighting Zone:  Default in accordance with  Complete the information below if the default Outdoor Lighting Zone has (JHA):  The site is a government designated park, recreational area, wilk LZ2 or LZ3, in accordance with Table 10-114-A, because the site.  The local jurisdiction having authority has officially adopted a change is posted on the Energy Commission webs	§10-114, or as been amended by diffe preserve, or port e is contained within a ange to the State Det 114(d) to the Executiv ite.	the lo ion th such ault L e Dire	ereof, and has be a zone. lighting Zone and actor.	en de	signated as
A. OUTDOOR LIGHTING ZONE  OUTDOOR LIGHTING ZONE: □ OLZ 1 □ OLZ 2  Is the Outdoor Lighting Zone: ☑ Default in accordance with  Complete the information below if the default Outdoor Lighting Zone has (JHA):  □ The site is a government designated park, recreational area, wilk LZ2 or LZ3, in accordance with Table 10-114-A, because the site.  □ The local jurisdiction having authority has officially adopted a characteristic property.	§10-114, or as been amended by diffe preserve, or port e is contained within ange to the State Def 14(d) to the Executiv ite.  DINANCE REQUIR	ion the such a ault L e Dire	cal jurisdiction had ereof, and has be a zone. ighting Zone and ector.	en de	signated as
A. OUTDOOR LIGHTING ZONE  OUTDOOR LIGHTING ZONE:  OLZ 1 OLZ 2  Is the Outdoor Lighting Zone:  Default in accordance with  Complete the information below if the default Outdoor Lighting Zone has (JHA):  The site is a government designated park, recreational area, wilk LZ2 or LZ3, in accordance with Table 10-114-A, because the site The local jurisdiction having authority has officially adopted a charge your commission by providing the materials required in §10-1  The adopted change is posted on the Energy Commission webs  B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR OR	§10-114, or as been amended by diffe preserve, or port e is contained within ange to the State Def 14(d) to the Executiv ite.  DINANCE REQUIR used?	ion the such a ault Le Dire	ereof, and has be a zone. ighting Zone and ector.	en de	signated as
A. OUTDOOR LIGHTING ZONE  OUTDOOR LIGHTING ZONE:  OUTDOOR LIGHTING ZONE:  Is the Outdoor Lighting Zone:  Default in accordance with  Complete the information below if the default Outdoor Lighting Zone has (JHA):  The site is a government designated park, recreational area, wilk LZ2 or LZ3, in accordance with Table 10-114-A, because the site.  The local jurisdiction having authority has officially adopted a charge Commission by providing the materials required in §10-1  The adopted change is posted on the Energy Commission webs.  B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR OR Are additional lighting power allowances for ordinance in Table 147-C in	§10-114, or as been amended by diffe preserve, or port e is contained within ange to the State Def 114(d) to the Executiv ite.  DINANCE REQUIF used?	ion the such a ault Le Dire	ereof, and has be a zone.  ighting Zone and ector.  ENTS  s are used:  ich are expressed	en de	signated as otified the

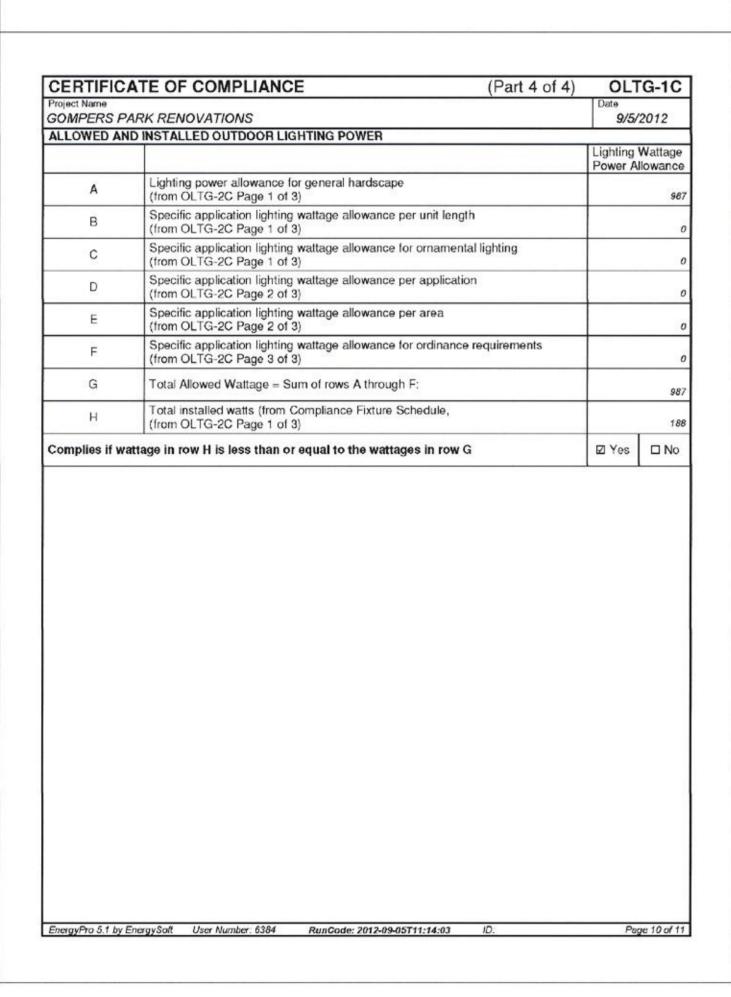
Indoor Li §131(d): St	S PARK RENOVATIONS  ghting Measures: nut-off Controls  For every floor, all interior lighting systems shall be equipped with a separate automatic control. This automatic control shall meet the requirements of Section 119 and may be an occupancy s switch, or other device capable of automatically shutting off the lighting.	9/5/2012
§131(d): SF 1. 2.	<b>Nut-off Controls</b> For every floor, all interior lighting systems shall be equipped with a separate automatic control. This automatic control shall meet the requirements of Section 119 and may be an occupancy switch, or other device capable of automatically shutting off the lighting.	to shut off the lighting
1.	For every floor, all interior lighting systems shall be equipped with a separate automatic control. This automatic control shall meet the requirements of Section 119 and may be an occupancy s switch, or other device capable of automatically shutting off the lighting.	to shut off the lighting
2.	This automatic control shall meet the requirements of Section 119 and may be an occupancy s switch, or other device capable of automatically shutting off the lighting.	to shut off the lighting
(35) (34)	Override for Building Lighting Shut-off: The automatic building shut-off system is provided with	ensor, automatic time
3119(11)	override switch in sight of the lights. The area of override is not to exceed 5,000 square feet.  Automatic Control Devices Certified: All automatic control devices specified are certified, all all be certified and installed as directed by the manufacturer.	ternate equipment shall
§111:	Fluorescent Ballast and Luminaires Certified: All fluorescent fixtures specified for the project are or Directory. All installed fixtures shall be certified.	ertified and listed in the
§131(a)		te switch or occupancy
§131(b):	Uniform Reduction for Individual Rooms: All rooms and areas greater than 100 square feet and per square foot of lighting load shall be controlled with bi-level switching for uniform reduction or room.	of lighting within the
§131(c):	Daylight Area Control: All rooms with windows and skylights that are greater than 250 square the effective use of daylight in the area shall have 50% of the lamps in each daylit area controll or the effective use of daylight cannot be accomplished because the windows are continuously the adjacent lot. Diagram of shading during different times of the year is included on plans.	ed by a separate switch
§131(c):	Display Lighting. Display lighting shall be separately switched on circuits that are 20 amps or le	ess.6.
Outdoor	Lighting Measures:	
§130(c)1:	And the State of t	d ballasts
§132(a):	All permanently installed luminaires with lamps rated over 100 Watts either have a lamp efficace per Watt or are controlled by a motion sensor.	y of at least 60 lumens
§132(b):	All Luminaires with lamps rated greater than 175 Watts in hardscape area, including parking lot canopies, and all outdoor sales areas meet the Cutoff Requirements.	ts, building entrances,
§132(c)1:	All permanently installed outdoor lighting meets the control requirements listed.	
§132(c):	Building facades, parking lots, garages, canopies, and outdoor sales areas meet the Multi-Leve listed.	I Lighting Requirement

CERTIF	FICATE OF COMPLIANCE	Part 1 o	f 4)	OLTG-1C
roject Name				9/5/2012
Project Address	ess LTOP DRIVE SAN DIEGO, CA 92102		Total Illur	minated Area 653
GENERAL	LINFORMATION			
Phase of (	Construction: ☐ New Construction ☐ Addition ☐ Alte	ration		
	entation Author's Declaration Statement at this Certificate of Compliance documentation is accurate and complete.		1	1
Name	Troy A Stepp	Signature	1	
Company	MacDonald Engineers, Inc	Date	3/5/2012	
Address	2385 Camino Vida Roble, Ste.114	CEA#		
City/State/Zip	Carlsbad, California 92011	Phone	760-602-1	008
• Th	empliance with Title 24, Pages 1 and 6 of the California Code of Regulation the design features represented on this Certificate of Compliance are consi	ns. istent with	the infon	mation provided
The to sp.  Name	empliance with Title 24, Pages 1 and 6 of the California Code of Regulation the design features represented on this Certificate of Compliance are considered to the other applicable compliance forms, workshe decifications submitted to the enforcement agency for approval with this but with the compliance forms.    Sign   Sign   Photography   Photograph	ns. istent with tets, calculating permanent	the infonations, plant applications	mation provided lans and
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Th     to	empliance with Title 24, Pages 1 and 6 of the California Code of Regulation the design features represented on this Certificate of Compliance are considered to the other applicable compliance forms, workshed becifications submitted to the enforcement agency for approval with this business with the confidence of the compliance forms, workshed to the enforcement agency for approval with this business with this business with the confidence of	ns. istent with tets, calculating permanent records re	the infonations, plant applications	mation provided lans and
Name Company Address City/State/Zit Principa Lighting po	mpliance with Title 24, Pages 1 and 6 of the California Code of Regulation the design features represented on this Certificate of Compliance are considered to the other applicable compliance forms, workshed becifications submitted to the enforcement agency for approval with this business can be considered to the enforcement agency for approval with this business.  **EXECUTION OF THE PROPERTY OF	istent with the ets, calculating permanent in the result of the result in the result of the result in the result of the result in the result i	the informations, plant applications, plant ap	for all outdoor site, and that is for Ordinance
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to sp.  Name  Company  Address  City/State/Zig  Principa  Zi   certifighting po  Additional Requirements  Standards  Outdoor Undicate lo  LIGHTING  To cetailed by the Califor  Zi   OLTO	empliance with Title 24, Pages 1 and 6 of the California Code of Regulation the design features represented on this Certificate of Compliance are consist document this design on the other applicable compliance forms, workshed document this design on the other applicable compliance forms, workshed document this design on the other applicable compliance forms, workshed document agency for approval with this but with this but work the compliance of the compliance of the compliance of the compliance of the cartificate of Compliance documentation is accurate and compliance of the compliance of the compliance of the compliance of the cartificate of the compliance of the compl	res.  istent with the ets, calculating permanent in the reservation in	the informations, plant applications, plant ap	for all outdoor site, and that is for Ordinance on 147 of the
Name Company Address City/State/Zi Principa Zi I certif lighting po Additional Requirem Standards Outdoor U Indicate lo UGHTING For detailed by the Califo Zi OLTO	empliance with Title 24, Pages 1 and 6 of the California Code of Regulation the design features represented on this Certificate of Compliance are consist document this design on the other applicable compliance forms, workshed document this design on the other applicable compliance forms, workshed document this design on the other applicable compliance forms, workshed decifications submitted to the enforcement agency for approval with this but the control of the complete compl	res.  istent with the tests, calcular calculating permanents are reserved.  interest to the test and an extension or control or cont	the informations, plant applications, plant ap	for all outdoor site, and that is for Ordinance on 147 of the

EnergyPro 5.1 by EnergySoft User Number: 6384 RunCode: 2012-09-05T11:14:03 ID:

	JANCE FIXTURE / LIGHTING CONTROL SO LATION CERTIFICATE, OLTG-1INST (Petain							eld Insp	ection	n I
	ICATE OF ACCEPTANCE, OLTG-2A (Retain							eld insp	ection	n E
	Luminaire Schedule B	С	D	-		Installed F	Watts			
A	В	C	U	E	_	wattage	u	н	_	eld
Name or Item Tag	Luminaire Description <sup>1</sup> See footnote below  (i.e.: 1 lamp pole-top shoe-box 400 wat metal halide)	Cutoff Designation	Watts per Lumineire	Special Features	Default from 88 NA-8	According to \$130 (D or E)	Number of Luminalres	Installed Watts (D.X.G)	Inspe	ector"
A	(2) 42w Compact Fluorescent Trip/Qued 4pin Elec		94.0		☑	D	2	168		
						D				
-		-			-			-		
	Enter total into OLT								188	
SEASO A	STORY CONTROLS					Field In	spectio	n 🗆		
MANIE	Description Location		#		Des	cription	оросно		cation	,
# #										
# SPECIA The local document	L FEATURES INSPECTION CHECKLIST (S enforcement agency should pay special attention to the it tation, and special verification. The local enforcement age at otherwise complies based on the adequacy of the spec	lems specif ency determ	led in this onines the ar	checklis dequac	d. These y of the ju	stification.				

Project Name	MPLIANCE		i air	3 of 4)	OLTG-10
GOMPERS PARK RENOVA	TIONS				9/5/2012
A. OUTDOOR LIGHTING ZO					
OUTDOOR LIGHTING ZONE:		OLZ 2	OLZ 3		
Is the Outdoor Lighting Zone:	☑ Default in accordant	ce with §10-114, o	or 🗆 Ame	nded by JHA	1
LZ2 or LZ3, in accordance of The local jurisdiction having Energy Commission by provided and the adopted change is posted.  B. ADDITIONAL LIGHTING of Are additional lighting power allow.  Complete the information below if the local jurisdiction having minimum footcandle levels, the proposed change.  The local jurisdiction having the proposed change.	esignated park, recreational a with Table 10-114-A, because authority has officially adoptividing the materials required ited on the Energy Commission of the Energy Commis	rea, wildlife preser the site is contained a change to the on §10-114(d) to the on website.  DR ORDINANCE 147-C used? wances for ordinar ed specific outdoor that allowed for fo	ve, or portion there led within such a zo state Default Light e Executive Director Yes No noe requirements ar light levels, which ormal public notifica	of, and has bone. ting Zone and or.  TS  re used: are expression, review,	ed as average or and comment abo
This form is to be used by the des OLTG-2A. The designer is require certified as meeting the Acceptance a test, list the different lighting and Appendices Manual describes the party to budget for the scope of we Enforcement Agency:  Systems Acceptance. Before Oc system with controls is installed in The OLTG-2A form is not conside checked and/or filled and signed. certifies plans, specifications, installed in 103(b) of Title 24 Part 6. The final occupancy. A copy of the OL for their records.	d to check the acceptance to be Requirements for Code Cou the number of systems. The test. Since this form will be p ork appropriately. Forms can cupancy Permit is granted for the building or space shall be red a complete form and is no In addition, a Certificate of Ad allation certificates, and opera- field inspector must receive ti	sts and list all combinations. If all the NA7 Section in the art of the plans, or be grouped by type a newly constructed certified as meet to be accepted by the companion of the properly filled of the prope	rol devices serving e lighting system or ne Appendix of the light propertion of this ser pre of Luminaire of the device service and the Acceptance by the enforcement thall be submitted to note information me ut and signed forms	the building control of a Nonresidentiction will allo controlled.  The or when ever agency under the enforce set the requires the before the legislation of the set o	or space shall be certain type require al Reference we the responsible wer new lighting hts. ses the boxes are ment agency that ements of building can receiv
This form is to be used by the des OLTG-2A. The designer is require certified as meeting the Acceptance a test, list the different lighting and Appendices Manual describes the party to budget for the scope of wo Enforcement Agency:  Systems Acceptance. Before Oc system with controls is installed in The OLTG-2A form is not conside checked and/or filled and signed. certifies plans, specifications, installed in 10-103(b) of Title 24 Part 6. The final occupancy. A copy of the OL	d to check the acceptance to be Requirements for Code Cou the number of systems. The test. Since this form will be p ork appropriately. Forms can cupancy Permit is granted for the building or space shall be red a complete form and is no In addition, a Certificate of Ad allation certificates, and opera- field inspector must receive ti	sts and list all combinations. If all the NA7 Section in the art of the plans, or be grouped by type a newly constructed certified as meet to be accepted by the companion of the properly filled of the prope	rol devices serving e lighting system or ne Appendix of the light propertion of this ser pre of Luminaire of the device service and the Acceptance by the enforcement thall be submitted to note information me ut and signed forms	the building control of a Nonresidentiction will allo controlled.  The or when experience of the enforce set the requirements before the bided to the or	or space shall be certain type required all Reference with the responsible over new lighting hts. It is so the boxes are ment agency that the ements of building can receive
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This form is to be used by the des OLTG-2A. The designer is require certified as meeting the Acceptance a test, list the different lighting and Appendices Manual describes the party to budget for the scope of wo Enforcement Agency:  Systems Acceptance. Before Oc system with controls is installed in The OLTG-2A form is not conside checked and/or filled and signed. certifies plans, specifications, insta §10-103(b) of Title 24 Part 6. The final occupancy. A copy of the OL for their records.	d to check the acceptance to be Requirements for Code Co- the number of systems. The test. Since this form will be p ork appropriately. Forms can cupancy Permit is granted for the building or space shall be red a complete form and is no In addition, a Certificate of Ad- allation certificates, and opera- field inspector must receive the TG-2A for each different light	sts and list all combinations. If all the NA7 Section in the NA7 Section in the Part of the plans, or be grouped by the grouped by the continued as meets to be accepted by the companies of the property filled outing luminaire continued by the Continued Inc.	rol devices serving e lighting system or the Appendix of the I completion of this ser type of Luminaire of the device of the Acceptance to the enforcement thall be submitted to note information me ut and signed forms rol(s) must be provi	the building control of a Nonresidentiction will allo controlled.  The or when experience agency unless the enforce set the requirements before the lided to the or Certification.	or space shall be certain type requal Reference with the responsible over new lighting hts. The session of the building can receive of the bui



OUTDOOR L Project Name	JGHTING W	ORKSHEET					(Part 1 c	of 3)	OLTG-2C
COMPERS PAR								Dall	9/5/2012
500-000000000	ATTAGE ALLOWAN	ICE (AWA)	HARDSCA	v. 372 PL2-5-450A000	TTAGE ALLOWANCE (LWA)		INITIAL WATTAGE ALLOWANCE	HARDSO	L GENERAL APE LIGHTING LOWANCE
A	В	c	D		Е	F	G		н
Illuminated Hardscape Area	AWA Per Square Foot	50000	Perimeter I Gene Hardse	Length of eral	LWA Per Linear Foot	LWA (D X E)	IWA (Watts)	0	+F+G
27	0.0	992 30		85	0.920	78	77	0	879
27	0.0	992 30		85	0.920	78		0	109
	1	4						1	
	1		Enter total into	OLTG 1C: Poo	e 4 of 4; Row A; Lighting Pow	var Allawanca for G	anaral Hardecana		987
			d as appropr	iate for the O	utdoor Lighting Zone				75.50
	PLICATION LIGH DETERMINE WATTA		LLOWANCI	E PER UNIT	LENGTH (Available on	lly for sales fro	ontage) DESIGN WAT	те	
5000		C	D	- 1	EOMINAIRE ITPE			1	J
A Specific Lighting Application	Linear Foot of Frontage	Sales Frontage Allowance for OLZ (Watts per LF)	Wattage Allowance (B X C)	Name or Symbol	Luminaire Type	G Lumir QTY	Watts Per	Design Watts (G X H)	Allowed Watts Minimum of D or I
					7502				
C. SPECIFIC AP	DI ICATION WAS	TTAGE ALLOWANG			e 4 of 4; Row B; Specific App	lication Lighting W	attage Allowance	Per Unit Length	0
	DETERMINE WATTA		E FOR ORK	I	LUMINAIRE TYPE		DESIGN WAT	TS	
A	В	С	D	E	F	G	н	1	J
Specific Lighting Application	Square feet of Harscape	Ornamental Lighting Allowance for OLZ (Watts per ft²)	Wattage Allowance (B X C)	Name or Symbol	Luminaire Type	Lumir		Design Watts (G X H)	Allowed Watts Minimum of D or I
			En	tar total into Ol	TG-1C; Page 4 of 4; Row C; S	pacific Application	Wattage for Orna	mantal Lighting	0

CITY	CONTRACT			E-2
ELE	CTRICAL SO	CHEDULES FO	OR:	
GC	OMPERS N	EIGHBORHO	OD	PARK
CHI	LDREN'S F	PLAY AREA	UPC	RADES
CI	TY OF SAN DIEG	O, CALIFORNIA AND CAPITAL PROJECTS	UPC wbs	S-11030

Estrada Land Planning

Urban Design Landscape Architecture Computer Imaging

619.236.0143
755 Broadway Circle, Suite 300
San Diego, California 92101-6161
619.236.0578 Fax
ELP @EstradaLandPlan.com

SPEC. NO. 5775

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_ MEDIUM \_\_\_\_ LOW\_\_\_

CONSULTANT

Sayuw J FOR CITY ENGINEER	11	18 SHEE	/3//2 DATE	<u>.</u>	SAMIR MAHMALJI SECTION HEAD
DESCRIPTION	BY	APPROVED	DATE	FILMED	DEBBIE VAN MARTIN
ORIGINAL	ELP		8/30/2012		PROJECT MANAGER
					198-1737
					NAD83 COORDINATES
					1838-6298
					LAMBERT COORDINATES
CONTRACTOR DATE STARTED INSPECTOR DATE COMPLETED					36925-18-0